ALBERTA APPRENTICESHIP AND
INDUSTRY TRAINING BOARD

2000 - 2001 Annual Report

Meeting the Challenge

Alberta Apprenticeship
and Industry Training

Excellence through training and experience

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July 2001

Honourable Dr. Lyle Oberg
Minister
Alberta Learning
229 Legislature Building
10800–97 Avenue
Edmonton, Alberta
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Dear Dr. Oberg:

I am pleased to provide you with the ninth annual report of the Alberta Apprenticeship and Industry Training Board. This report covers the Board's operations and achievements for the period April 1, 2000 to March 31, 2001. It also presents a statistical overview of the Alberta apprenticeship and industry training system.

Respectfully submitted,

C.J. (Cliff) Williams
Chairman
Alberta Apprenticeship and Industry Training Board

Printed on recycled paper

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A MESSAGE FROM THE BOARD CHAIRMAN

As Chairman of the Alberta Apprenticeship and Industry Training Board, I am proud to present our 2000–2001 annual report entitled ***Meeting the Challenge***, reflecting the focus of the Board over the past year.

In training Albertans in designated trades and occupations, the apprenticeship and industry training system has always had an important role in ensuring a strong economy. However, Alberta is now in a period of economic growth that has seen the demand for qualified trades people soar. To meet this demand, the Board has found creative solutions to challenges while maintaining the highest industry standards. A strong vision, mission and mandate, framed within a solid strategic plan, have enabled the Board to turn many challenges into opportunities. This year, thanks to the commitment of our industry, government and other partners, the Board has initiated and implemented new activities in response to the needs of Alberta's industry for a skilled and trained workforce. The Board has been involved in:

- implementing a streamlined regulatory framework (January 1, 2001);
- designating a new optional certification trade, outdoor power equipment technician (April 1, 2001);
- strengthening the network of local and provincial apprenticeship committees, occupational committees and other industry committees;
- expanding alternative forms of training, including further modularization and more flexible delivery;
- improving interprovincial labour mobility;
- efforts to increase Aboriginal participation in apprenticeship;
- promoting apprenticeship and industry training.

The Board must also ***Meet the Challenges*** of the future. It will build on successes of this and past years, while looking to the needs of tomorrow.

Remaining responsive to industry needs within the framework of a strategic plan, I am confident that Alberta's apprenticeship and industry training system will continue its success in developing a highly skilled and trained workforce.

C.J. (Cliff) Williams
Chairman

APPRENTICESHIP AND INDUSTRY TRAINING IN CONTEXT

Alberta's apprenticeship and industry training system is driven by industry. The system relies on an Alberta-wide network of committees that represent the interests of employers and employees in 50 trades and four occupations.

- As of March 31, 2001, Alberta has 50 designated trades and four designated occupations.
- As of March 31, 2001, there are 33,676 registered apprentices.
- Alberta has 9 per cent of the Canada's workforce but trains approximately 19 per cent of the country's apprentices.
- Alberta has produced more journeymen with a Red Seal than any other province in Canada.
- Although the time lengths vary by trade, apprenticeship programs in most of Alberta's 50 designated trades are 3 to 4 years.
- On average, apprentices spend 80 per cent of their time gaining on-the-job work experience and training, and 20 per cent of their time in technical training.
- Employers hire and register apprentices, pay wages and provide journeymen supervision.
- Apprentices contribute to their technical training by paying tuition fees, and paying for books and other related costs.
- Alberta taxpayers fund the development of technical training and the administration of the apprenticeship and industry training system.
- While government supports Alberta's apprenticeship and industry training system, it is *driven* by industry. Under the guidance of the Board, the system relies on an Alberta-wide network of local and provincial apprenticeship committees and occupational committees representing the interests of employers and employees in 50 trades and four occupations. Among the many responsibilities of these network members is setting training and certification standards and developing course outlines for technical training in the trades.
- A 2000 survey showed that *employers* are satisfied with the apprenticeship training system.
    - 97 per cent of employers were satisfied or very satisfied with the skills of their certified journeymen.
    - 90 per cent of employers associated with the system were satisfied or very satisfied with the system.
    - 85 per cent of employers were satisfied or very satisfied with the content of their trade's technical training program.

According to a 2000 survey, 97 per cent of employers were satisfied or very satisfied with the skills of their certified journeymen.

- A 2001 survey showed that *graduating apprentices* are satisfied with the apprenticeship training system.
    - 92 per cent of graduates were somewhat or very satisfied with the overall quality of their work experience.
    - 95 per cent of graduates were somewhat or very satisfied with the overall quality of their technical training.
    - Based on their experiences with apprenticeship training, 95 per cent of graduates would still become an apprentice.

The vision and principles of the apprenticeship and industry training system are consistent with the principles of Alberta's learning system as a whole.

Vision

Alberta's apprenticeship and industry training system will continue its leadership role in developing Alberta's highly skilled and trained workforce. In keeping with the goals of Alberta Learning, the system will be responsive, flexible, accessible and affordable to all Albertans. It will also be accountable for ensuring high quality, industry-oriented training.

Principles

In pursuing the goals and objectives of this plan, the Board is guided by several principles.

- Albertans who wish to pursue a career in the trades or designated occupations have opportunities to participate in apprenticeship and industry training and work toward acquiring the highest possible standards of knowledge and skills.
- Apprentices, trainees and employers will make a financial contribution to the costs of technical training consistent with the benefits they receive.
- Provincial and interprovincial industry standards are the foundation of apprenticeship and industry training in Alberta. Industry, consisting of employers and employees, is responsible for setting training criteria and standards, and for providing on-the-job training and work experience.
- Government, with advice from industry, has a role in regulating apprenticeship training and in helping Albertans to acquire the skills and competencies required to work in the trades and designated occupations.
- Apprenticeship and industry training is based on effective partnerships and other relationships between government, industry, training institutions, trainees and apprentices.

The Board's mission is to facilitate quality and excellence in Alberta's workforce. Its members work to fulfill this mission through strong partnerships with industry, government and other stakeholders.

Mission

The mission of the Alberta Apprenticeship and Industry Training Board is to facilitate quality and excellence in Alberta's workforce by encouraging the continued growth of apprenticeship and other occupational training based upon clearly established and maintained industry standards.

Board Mandate

The mandate of the Board relates to the standards and requirements for training and certification in programs under the *Apprenticeship and Industry Training Act*. The Board fulfills its mandate by meeting the requirements and exercising the responsibilities outlined in the Act, including:

- advising the Minister of Learning about the needs of the Alberta labour market for skilled and trained people and training and certification in trades and occupations;
- making recommendations to the Minister about the designation of trades and occupations and the changing or rescinding of existing designations;

- establishing or recognizing committees including local and provincial apprenticeship committees, occupational committees, provisional committees and other committees it deems appropriate and appointing members to those it establishes;
- promoting the pursuit of careers in trades and occupations and the training and certification of people in trades and occupations;
- developing policies respecting the recognition of training as equivalent to training provided under the Act;
- making orders respecting: standards and requirements for training and certification in designated trades and for certification in designated occupations; and the criteria or requirements for granting and recognizing trade certificates, occupational certificates and other certificates under the Act;
- making regulations respecting
    - the description of a designated trade or occupation,
    - the standards and requirements of apprenticeship programs and the training of apprentices.

Board Membership

The Board consists of:

- a chairman;
- four members representing employers in designated trades;
- four members representing employees in designated trades;
- two members representing employers in non-trade occupations;
- two members representing employees in non-trade occupations.

Two Board members share the role of acting for the Chairman in his absence.

Standing Committees of the Board

The Board has four standing committees to assist with its work.

- **Labour Market Issues and Board Operations Committee**
  Monitors labour market activity, identifies industry-related training needs and opportunities, and addresses operational activities of the Board.
- **Industry Standards Committee**
  Formulates training and certification policy and standards that meet emerging requirements of the apprenticeship and industry training system.
- **Provincial and Local Apprenticeship Committees' and Occupational Committees' Nominations Committee**
  Monitors the operations of the industry advisory network and reviews nominations for membership in the provincial apprenticeship committees (PACs), local apprenticeship committees (LACs) and occupational committees.
- **Nominations Review Committee**
  Together with Alberta Learning, reviews applications and provides recommendations to the Minister regarding the appointment of Board members.

THE INDUSTRY ADVISORY NETWORK

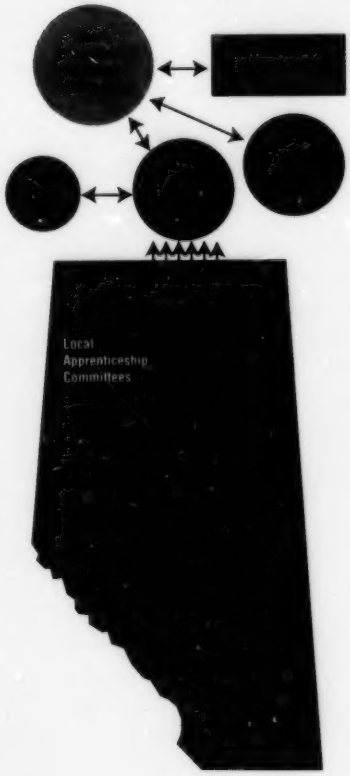
Industry drives the system through its participation in a network of local and provincial apprenticeship committees and occupational committees. The Board, with the support of Alberta Learning, oversees the system.

While government supports Alberta's apprenticeship and industry training system, it is driven by industry, a term that includes both employers and employees. The Board, with the support of Alberta Learning, oversees the system. But the system relies on a network of industry committees. These committees include local and provincial apprenticeship committees in the designated trades and occupational committees in the designated occupations, as well as other committees such as provisional committees established before the designation of a new trade or occupation comes into effect. All these committees are composed of equal numbers of employers and employees. The network of industry committees is the foundation of Alberta's apprenticeship and industry training system.

Industry Committees

- Recommend the standards for the skills and competencies required for certification.
- Develop technical training course outlines.
- Monitor changes and identify the need for improvements in training.
- Recognize related training and certification.
- For new trades and occupations, recommend the description of the trade or occupation and the initial standards for training or certification, or both.

Structure and Organization of the Alberta Apprenticeship and Industry Training System



The Alberta Government

- Provides the framework within which this activity takes place.
- Supports employers and employees on industry committees who are developing training content and training and certification standards.
- Promotes apprenticeship training and certification programs.
- When needed, reimburses committee members for travel and living expenses and pays a modest honorarium.

The Technical Institutes and Colleges

The technical institutes and colleges also participate in Alberta's apprenticeship and industry training system, playing a key role by:

- working with the Board and the industry committees to enhance access and responsiveness to industry needs through the delivery of technical training;
- developing lesson plans from the course outlines developed by the industry committees;
- delivering technical training to apprentices.

During 2000–2001, the Alberta Apprenticeship and Industry Training Board continued to work within the context of a strategic plan. The plan guides the work of the Board, and outlines specific objectives and actions for achieving the vision for apprenticeship and industry training in Alberta.

The strategic plan evolves and is adjusted as necessary to ensure that the Board's priorities continue to be responsive to emerging concerns and issues.

The Board has established three goals–communication, training and standards–to help it successfully fulfill its mandate and achieve its vision of the apprenticeship and industry training system.

Communication

The Alberta Apprenticeship and Industry Training Board recognizes that effective communication is essential to the continued success of the apprenticeship and industry training system.

Strengthening Industry Advisory Network Communication

Building on work begun in previous years, the Board undertook new actions to strengthen the industry advisory network.

Building on work begun in previous years, the Board undertook new actions to strengthen the industry advisory network.

- A new information package for recently certified journeyman encourages them to get involved in the industry advisory network. It includes practical information on LACs, PACs and other parts of the system.
- The Board conducted a survey on the new *Resource Manual for LAC and PAC Members* produced in 1999–2000. The manual is intended to provide concise and useful information on all aspects of the apprenticeship and industry training system. Members of the industry advisory network responded to the survey and were generally very positive about the overall usefulness of the manual. Suggested changes were minor and will be implemented in 2001–2002.
- The ***Update*** newsletter continued to print profiles on specific trades and occupations and to advertise for members of the advisory network. Future editions will carry more articles on LACs and PACs.
- Articles published in ***Update*** on the industry advisory network have been made available and posted on the Alberta Weekly Newspaper Association (AWNA) website.
- A second industry advisory network workshop is scheduled for fall 2001.

Thanks to the overwhelming success of the first, a second industry advisory network workshop is scheduled for fall 2001.

- Presiding officers and other representatives of apprenticeship and occupation committees attended Board meetings to present reports on recent activity in their trades and occupations, and to discuss issues of mutual interest and concern with the Board.
- LAC presiding officers are being invited to attend PAC meetings.

Improving communication with employers, apprentices and training institutions

- The Board Chairman and the Executive Director of apprenticeship and industry training continued to visit Alberta training institutions to meet their Board members, senior officials, apprenticeship instructors and apprentices, and to tour facilities.
- A representative from Fairview College, appointed to represent the colleges, and representatives from of the Northern Alberta Institute of Technology (NAIT) and of the Southern Alberta Institute of Technology (SAIT) regularly attended Board meetings. Representatives from Lethbridge Community College, Medicine Hat College and Red Deer College also attended Board meetings during the year.

The Update newsletter continued to be published. In 2000–2001, its circulation grew from 60,000 to more than 70,000.

- The ***Update*** newsletter continued to be published on a regular basis. In 2000–2001, its circulation grew from 60,000 to more than 70,000. The newsletter has been well received as a way to hear about the latest developments in apprenticeship and industry training and in each of the designated trades and occupations.
- The apprenticeship and industry training website *www.tradesecrets.org* continued to be enhanced. Work proceeded on wider implementation of the visual identity, better navigational tools and more targeted information. Work will continue on forging better links with the Alberta Learning Information Service (ALIS) website and other government departments, as well as Aboriginal, industry and association sites.

Encouraging Alberta industry to participate in the apprenticeship and industry training system

The Board developed a new three-year communications plan.

- During 2000–2001, the Board developed a new three-year communications plan. The goals of the plan are to:
  - improve communication with all stakeholders, including the industry advisory network, post-secondary institutions, basic educators, employers, parents, high school students, career changers, journeymen and apprentices; and
  - enhance the profiles of the apprenticeship and industry training system, the Alberta Apprenticeship and Industry Training Board and Alberta Learning.

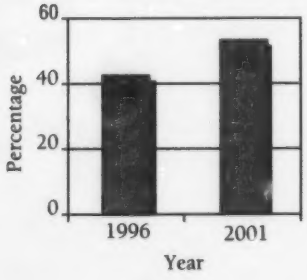
A new 'tool kit', began development to help Board members, LAC and PAC members, and others promote apprenticeship and industry training.

- The following are communications initiatives underway or to be implemented in 2001–2002.
  - A communications tool kit began development for use by Board members; LAC, PAC and occupational committee members; and others as appropriate. The kit will be customized for different audiences, but will generally include a variety of materials, including questions and answers, a PowerPoint presentation and speaking notes, and testimonials from participants in the apprenticeship and industry training system. The kit is currently being piloted by members of the Concrete Finisher PAC.
  - New and updated information continued to be posted on the Internet through the apprenticeship and industry training website *www.tradesecrets.org*.
  - A pilot project that includes orientation on the trades will be offered to work experience coordinators and guidance counselors.
  - A communications strategy aimed at encouraging Aboriginal participation in apprenticeship is also being developed.
- The Board continued to partner with Alberta employers and employer and employee associations to encourage them to register and train apprentices and employ certified journeymen.
- The Board continued to support the efforts of the construction industry in developing the *Trade Up!* CD-ROM to encourage people to consider entering designated trades and occupations.
- The Board continued to encourage larger employers to participate in apprenticeship. According to information collected by Alberta Learning, larger employers are hiring more apprentices. In 1996, firms employing 11 or more trades people were responsible for training 43 per cent of Alberta's apprentices. Figures as of March 31, 2001, showed that these firms are now training 54 per cent of Alberta's apprentices. Much of the growth can be attributed to more hiring in the construction industry.

"Clients are looking at hiring apprentices as a positive thing...they're factoring that in when they choose contractors for industrial projects."

Herb Holmes
Construction Labour Relations, an Alberta Association

Percentage of Apprentices Trained by Larger Emplolyers



Increasing the profile of the Board and Apprenticeship and Industry Training

- The Board Chairman continued to meet with the Minister, Deputy Minister and other key government representatives on matters of mutual concern.
- The Chairman regularly met with industry officials representing a variety of perspectives.
- The Board was involved in high profile conferences and events including the Minister's Forum on Learning and the MLA Post-Secondary Funding Review.
- In 2000–2001, the Chairman participated in the Canadian Apprenticeship Forum (CAF). The Forum is a new national body with functions similar to the former Canadian Labour Force Development Board and its National Apprenticeship Committee. It is a partnership of

The Board continued to partner with Alberta employers, and employer and employee associations to encourage them to register and train apprentices and employ certified journeymen.

labour, business, education, equity groups, the Inter-Provincial Alliance of Board Chairs, the Canadian Council of Directors of Apprenticeship, and Human Resources Development Canada. CAF was established to support the apprenticeship delivery systems across Canada, and to promote apprenticeship as an effective training and education system that contributes to the development of a skilled workforce. The CAF has identified five initial projects, involving: an inventory/information base, promotion of apprenticeship, common core curriculum, a conference, and accessibility and removal of barriers.

- The Chairman served his second year as Chairman of the Interprovincial Alliance of Board Chairs. His participation on the Alliance, which meets at the same times as the Canadian Council of Directors of Apprenticeship, provides an opportunity for interaction between the directors and board chairs from across Canada.
- During 2000–2001, the Chairman was appointed as a representative on the Native Education Policy Review Committee. The Committee has recently completed a review of the current Native education policy in Alberta. The purpose of the review was to establish direction in legislation, policy and regulation in the delivery of Native education, and to determine and define the role of Alberta Learning in Native education. Discussions and decisions are now taking place regarding the recommendations from the review.

The Chairman regularly met with industry officials representing a variety of perspectives.

- The Chairman and other industry representatives attended the Campus Alberta Symposium held October 10–11, 2000 in Edmonton. The Symposium provided the opportunity to discuss apprenticeship and industry training in the context of Alberta's learning system as a whole. The symposium was another step in moving toward the goal of a "seamless" and more collaborative learning system in Alberta.
- The Board began working with Alberta Learning to help work experience coordinators and guidance counselors acquire a greater knowledge and understanding of apprenticeship and careers in the trades.
- The Board also began working with Alberta Learning on the development of a protocol to ensure that credit is given for apprenticeship training. This will foster awareness of the apprenticeship and industry training system as an integral part of lifelong learning.

Training

The Alberta Apprenticeship and Industry Training Board works to ensure that training is responsive to the needs of industry and the economy. New and enhanced initiatives included: further modularization of training curriculum, supporting the expansion of alternatives in technical training, continuing enhancements to course content, recommending to the Minister the designation of a new trade, and new initiatives to encourage Aboriginal participation in apprenticeship.

Increasingly, technical training is being offered at places and times more convenient to the needs and circumstances of journeymen and apprentices. The Board will continue to respond to the need for these alternatives.

Supporting alternatives in technical training

- The Board continued to support the development of Individual Learning Modules (ILMs) for trades. ILMs are standardized teaching materials for technical training in apprenticeship programs that enable flexibility in delivery of technical training. The majority of project resources in 2000–2001 were dedicated to developing modules in automotive service technician, heavy equipment technician, millwright and machinist trades. Many of the modules for these trades have already been implemented and have been well received. The remaining modules are nearing completion and will be available for distribution for the 2001/2002 school year. Development of ILMs for the welder and electrician trades has also begun. In coming years, the ILM project will be expanded to include the plumber and carpenter trades.
- In 2000–2001, the Board continued to enhance access and responsiveness to industry needs through alternative forms of technical training delivery. The technical training component of an apprenticeship program was once available only in "block release" format, where an apprentice would typically attend technical training for three or four periods of up to eight weeks training, depending on the trade. More options continue to be developed for more trades. As of 2000–2001, technical training options included the following.
    - Competency-Based Apprenticeship Training (CBAT), where apprentices learn at their own pace while at school, is available in the carpenter, electrician, locksmith and welder trades.
    - Distance delivery is available in the electrician, locksmith, millwright and welder trades.
    - Mobile delivery is now available in the bricklayer, communication electrician, concrete finisher, crane and hoisting equipment operator (boom truck), roofer and tilesetter trades.
    - Weekly Apprenticeship Training System (WATS) training is available in the cabinetmaker, cook, partsman and tilesetter trades.
    - On-site delivery continues to be offered at Alberta-Pacific Forest Industries Inc. for the millwright trade.

"What I like about apprentices today is that they tend to be very bright and quick to learn and they have a lot of good ideas. I really enjoy their input."

Steven Collicutt
Employer

Enhancing relationships with training institutions

- Representatives of the training institutions were regular participants at Board meetings.
- The Board Chairman and Executive Director visited Keyano College, Lakeland College, Lethbridge Community College, Medicine Hat College, NAIT, Olds College, Red Deer College and SAIT during 2000–2001.
- In 2000–2001, the training institutions offered approximately 885 classes of apprenticeship technical training, representing 17,910 seats for apprentices. NAIT offered 43 per cent of the available technical training seats, SAIT offered 29 per cent, and the remaining 28 per cent was offered by seven Alberta colleges.
- A Top Instructor Award is being developed for presentation in February 2002.
- The Board will continue to correspond with the institutions on apprenticeship training and other issues of mutual concern.

Encouraging improved methods of on-the-job training

Several trades have already adopted the train-the-trainer concept and others will incorporate it as course outlines come up for review.

- Supporting journeymen in their role as trainers–'training the trainers'–is a priority for the Board. During 2000–2001, the Board continued to endorse the train-the-trainer concept and recommended that each provincial apprenticeship committee (PAC) consider it for implementation in its trade's apprenticeship program. Training materials, including a video, are available. Several PACs have already adopted the concept: carpenter, electrician, partsman and sheet metal worker. Other trades also supported the concept and will incorporate the train-the-trainer materials as their course outlines come up for review.
- To date, the new 'blue book' record book, which tracks the progress of an apprentice, has been implemented in 31 trades and two occupations. Another 12 PACs have endorsed its development. Nine trades have decided to continue use of the current record books.

Keeping training content current

- The Board and the provincial apprenticeship committees (PACs) regularly review course content, including examinations, to ensure that they keep up with emerging skill requirements. During 2000–2001, the Board, on the recommendation of the respective PACs, approved updated course content for the following trades: agricultural mechanic, baker, carpenter, crane and hoisting equipment operator (heavy boom truck, medium boom truck, mobile crane, wellhead boom truck), electrician, gasfitter, plumber, power system electrician, roofer, sprinkler system installer, and structural steel and plate fitter. The Board approved changes to the Qualification Certificate Program practical exam for: auto body technician, floorcovering installer and insulator. It also approved a name

change for the partsman trade. The trade will now be known as parts *technician*.

- During 2000–2001, the Board approved changes to the education requirements for some trades. These included agricultural mechanic, millwright and plumber trades.

Meeting the skill requirement needs of industry

The Board recommended designation of outdoor power equipment technician as an optional certification trade. It officially becomes a trade April 1, 2001.

- During 2000–2001, the Board recommended the designation of outdoor power equipment technician (OPET) as an optional certification trade. The Board has approved the course outline, record book and PAC composition for the new trade. Outdoor power equipment technician officially becomes a trade April 1, 2001.
- In response to industry concerns, the Board formed a sub-committee to research, discuss and provide recommendations on the skill levels of new apprentices.
- During 2000–2001, the agricultural mechanic program continued as a John Deere sponsored program to supplement the Alberta agricultural mechanic and heavy equipment technician programs at Olds College. As part of the program, students obtain an additional two weeks of training, and John Deere gives the College use of agricultural equipment and special tools.

The John Deere Agricultural Technician program and the General Motors Automotive Service Education Program (ASEP) continued as industry-sponsored enhancements to the regular apprenticeship program.

- The Board also approved the continuation of the General Motors Automotive Service Educational Program (ASEP). General Motors donated computer equipment, manuals, training materials, vehicles and vehicle components to NAIT and SAIT. The ASEP program gives apprentices access to advanced technology and addresses industry needs for qualified service technicians trained on state-of-the-art equipment.

Helping apprentices progress

Beginning April 2000, a new process was implemented to track apprentices' progress through their programs.

- During 2000–2001, the Board supported Alberta Learning's efforts to help apprentices progress through their training. Beginning April 2000, a new process was implemented to track apprentices' progress through their programs. Those who do not appear to have progressed through their apprenticeship program in the previous 18-month period are contacted by the local apprenticeship and industry training office to discuss getting back on track. The new process will also help to better plan and provide for the required number of seats for technical training in all trades.

Supporting training for youth

- The Board continued to support the Registered Apprenticeship Program (RAP). Through RAP, high school students get work experience in a trade while receiving credit towards a high school diploma. As of December 31, 2000, there were 760 high school students in RAP and 791 graduates

completing apprenticeship programs they started in high school. The Board also launched the RAP Scholarship, an annual awards program that will provide 50 Alberta high school students with scholarships of $1000 each, beginning with RAP apprentices who will graduate in June 2001. *(The RAP scholarship is discussed in more detail under the heading "Leading the way for new scholarships"* beginning *on page 19.)*

As of December 31, 2000, there were 760 high school students in RAP and 791 graduates now completing their apprenticeship programs.

- *CAREERS...The Next Generation Foundation* also received support and encouragement from the Board. *CAREERS...The Next Generation* promotes trades and technologies to youth. The Foundation works with industry to make new entry-level apprenticeship positions available to youth in high school across the province.

Aboriginal initiatives

During 2000–2001, the Board participated on the newly established Alberta Aboriginal Apprenticeship Committee. The Committee's goal is to encourage Aboriginal participation in apprenticeship.

- During 2000–2001, the Board continued to discuss Aboriginal initiatives within an apprenticeship context. In response to an interprovincial, federally funded report, *Aboriginal Participation in Apprenticeship: Making It Work*, the *Alberta Aboriginal Apprenticeship Committee* was established. Its members include industry, Aboriginal groups, school jurisdictions, government departments and Board members. Its goal is to encourage Aboriginal participation in apprenticeship.
- The Board also initiated the development of a communication and marketing strategy specifically aimed at increasing Aboriginal participation in apprenticeship.

Standards

Developing and maintaining high standards of industry training and certification continues to be a priority for the Board. This is especially important in light of the growing demand for qualified trades people. In 2000–2001, the Board focused on finalizing the recommendations from the previous industry consultations, continuing development and use of key performance indicators (KPIs) to measure the overall performance of the apprenticeship and industry training system, promoting flexible methods of trade certification and training, enhancing labour mobility, and developing the Interprovincial Computerized Examination Management System (ICEMS).

Finalizing recommendations from the industry consultations: a more responsive apprenticeship and industry training system for Alberta

Over the last few years, the Alberta Apprenticeship and Industry Training Board and Alberta Learning have consulted with Albertans on a vision for the future of Alberta's apprenticeship and industry training system. There were two main phases to this consultation process.

Amendments to the Apprenticeship and Industry Training Act and changes to regulations and new Board orders came into effect January 1, 2001.

Phase I resulted in a vision for apprenticeship and industry training in Alberta and principles to achieve that vision. Six new actions were also implemented.

1. More options for training.
2. Improved financial support for apprentices.
3. More promotion of ways to start an apprenticeship and have prior learning recognized.
4. More training opportunities for youth.
5. Increased options for certification of workers.
6. A stronger industry advisory network.

Phase II related primarily to regulations and the regulatory framework for apprenticeship and industry training in Alberta. In addition to being the next phase of *A Vision for the Future*, it was the Board's and the department's review of regulations under the Government of Alberta's overall regulatory review process. Phase II resulted in recommendations that required changes to the *Apprenticeship and Industry Training Act* before they could be implemented. Amendments to the Act were passed in May 2000 and changes to regulations and new Board orders were completed in December 2000. All came into effect January 1, 2001.

These changes set in place a streamlined regulatory framework that enables the Board to maintain Alberta's high industry standards while increasing the responsiveness of Alberta's apprenticeship and industry training system to industry needs.

Promoting alternative and flexible methods of trade certification

The Qualification Certificate Program is another route to trade certification. It recognizes that a person has met industry standards through an assessment of their prior work experience, knowledge and skills.

- The Qualification Certificate Program provides an assessment of prior work experience, knowledge and skills. Successful applicants are issued an Alberta Qualification Certificate. This certificate is a recognized trade certificate under the *Apprenticeship and Industry Training Act*.
- As in previous years, the Qualification Certificate Program continued to be advertised. During 2000–2001, several improvements to the program were implemented.

- In 2000–2001, the Achievement in Business Competencies (ABC) endorsement program was extended to individuals with occupational certificates. The program enables certified journeymen and now, those with occupational certificates to demonstrate the supervision and management skills they have gained through formal training or work experience or both. Individuals who qualify receive an ABC Seal that is attached to their Alberta trade certificate or occupational certificate. The Board will be reviewing the ABC program to ensure that it is meeting established goals and objectives.

Supporting certification in designated occupations

- With the amendments to the *Apprenticeship and Industry Training Act*, the focus of designated occupations changed from the regulation of training programs to the recognition of competencies.

Ensuring high standards for apprentices

- During 2000–2001, the Board continued to work on developing alternative assessment tools for entry into apprenticeship programs. The purpose of this project is to update the exams to reflect changes in academic requirements as a result of technological advances. The project includes a review of existing course outlines to determine the educational prerequisites necessary for success in the technical training component of each of the designated trades.

Supporting labour mobility in Canada

In 2000–2001, the Board supported Alberta's efforts to comply with labour mobility provisions of the Agreement on Internal Trade. Labour mobility helps employers bring qualified trades people into the province to work as needed.

- During 2000–2001, the Board led Alberta's efforts to comply with the *Agreement on Internal Trade*'s provisions regarding labour mobility for the regulated trades in Canada. Labour mobility is important in that it is an opportunity for employers to bring qualified trades people from other provinces and jurisdictions into Alberta to work as needed.
  Alberta has always been a strong supporter of labour mobility in the trades while also working to maintain high provincial standards as recommended by provincial apprenticeship committees. Alberta is developing a process to assess individuals from outside the province who have provincial certification but do not have Red Seal endorsement.
- Alberta industry is committed to the Red Seal as the standard of labour mobility in Canada. The Interprovincial Standards (Red Seal) Program provides greater mobility for skilled workers to move from one part of Canada to another. It encourages the standardization of provincial/territorial training and certification programs. In Alberta, 95 per cent of all registered apprentices have the Red Seal available to them.

Alberta industry is committed to the Red Seal as the standard of labour mobility across Canada. In Alberta, 95 per cent of all registered apprentices have the Red Seal available to them.

Supporting the continuing development of other interprovincial standards

- A general framework is in place to discuss the continued development of interprovincial standards. Through the Interprovincial Alliance of Board Chairs, the heads of provincial and territorial apprenticeship and industry training boards or equivalent authorities have participated in the semi-annual meetings and sub-committees of the Canadian Council of Directors of Apprenticeship.

The Board continued to support development of the interprovincial common core curriculum in the carpenter trade.

Supporting and encouraging the development of interprovincial common core curricula

- During 2000–2001, the Board continued to support the development of the interprovincial common core curriculum in the carpenter trade. Common core curriculum standards are a list of technical training outcomes, based on the National Occupational Analysis (NOA), and recognized by stakeholders as incorporating the essential tasks, knowledge and skills associated with a given trade. The principles, as committed to by the Canadian Council of Directors of Apprenticeship (CCDA), are a collective commitment to mobility, pooling collective resources, access to training standards aligned with the NOA and development of a 'recognized' interprovincial curriculum standard. There was a commitment by CCDA members to encourage the usage of interprovincial common core curriculum standards as appropriate within provinces/territories.

Supporting the development of the Interprovincial Computerized Examination Management System (ICEMS)

- During 2000–2001, the Board supported development of the Interprovincial Computerized Examination Management System (ICEMS). Once completed, ICEMS will be an automated system that can support common standards, examinations and client information critical to the Interprovincial Standards (Red Seal) Program. A pilot test is scheduled for summer 2001 and the system is expected to be running in all jurisdictions by January 2002. Alberta is the lead jurisdiction responsible for reviewing project deliverables and prototypes, participating in function testing of the software and the initial piloting of the system.

"Since I began my apprenticeship, I've had no problem at all...I'm treated really well, I get to use my brain instead of my brawn and I receive good pay."

Bonnie Cardinal
Recent Apprentice

Ensuring affordability

- The Board continued to work with Alberta Learning to ensure that tuition fees are reasonable and that grants and loans are available to apprentices to attend technical training.
- Tuition fees for 2000–2001 were $50 per week of training with a minimum fee of $200.
- The Minister announced in 1999–2000 that tuition fees for apprentices would remain at the 2000–2001 rate until 2003. Consultation regarding tuition fees after 2003 will take place in 2001–2002.

"Industry's investment in the RAP Scholarship is an investment in young people. Through their generous contributions, industry will help a new generation of Albertans to pursue rewarding careers in the trades."

Cliff Williams
Board Chair

Leading the way for new scholarships

- During 2000–2001, the Board led the way for the creation and establishment of the Registered Apprenticeship Program (RAP) Scholarship. The RAP Scholarship recognizes the academic and trade-related accomplishments of Alberta high school students who are taking part in the Registered Apprenticeship Program. The scholarship encourages them to enter regular apprenticeship programs after high school graduation. Each year up to 50 scholarships of $1,000 each will be awarded. The first scholarships will be awarded to RAP students in the fall of 2001.
- The RAP Scholarship is a joint investment funded by industry donations raised by the Board and through the Government of Alberta's Heritage Scholarship Fund Endowment Program. Interest earned from the endowment along with a financial commitment from the Alberta Heritage Scholarship Fund will ensure that the $50,000 program continues annually.
- Thanks to industry generosity, the RAP Scholarship exceeded its fundraising goal of $250,000 just one short month after the program was announced. As of March 31, 2001, industry had contributed a total of $289,800, and donations continue to come in.
- In January 2001, industry approached the Minister of Learning to discuss the establishment of new apprenticeship scholarships. Industry will raise donations over the next year, and the Department of Learning agreed to match industry's contributions at a ratio of 2:1.

Staying receptive to innovations and changes in technology and industry training requirements

"These changes are in response to requests from industry. In light of new technologies in the heavy equipment trade, we thought it necessary to change the way the apprenticeship program was laid out."

Ray Jeffery
Acting Presiding Officer
Heavy Equipment
Technician PAC

- The Board continued to work with industry, PACs, Alberta Learning and post-secondary institutions to incorporate the latest technological and other advances in trade curriculum and training methods.
    - The heavy equipment technician (HET) apprenticeship program has been redesigned to provide apprentices with training in broad specialty areas. Apprentices will now have access to training in three specialty branches: heavy duty equipment mechanic (off road), truck and transport mechanic and truck-trailer mechanic. The heavy duty equipment mechanic (off road) and truck and transport mechanic are both three-year programs while truck-trailer mechanic is a one-year program. The full four-year HET program, which covers all three branches, continues to be available.
    - In 2000–2001, Alberta Learning announced a $3.2 million grant from the Access Fund to expand apprenticeship technical training spaces at Alberta post-secondary institutions throughout the province. A further $1.5 million was allocated throughout the

In 2000–2001, Alberta Learning announced a $4.7 million grant from the Access Fund to expand apprenticeship technical training spaces.

2000/2001 academic year, for a total of $4.7 million. These grants will accommodate an additional 1,775 training spaces in the technical institutes and colleges in the high demand trades. A further $3.8 million was provided for enhancements to the agricultural mechanic, crane and hoisting equipment operator (boom truck), electrician, heavy equipment technician, power systems electrician and sprinkler systems installer programs. This funding will be used to update equipment and/or expand technical training by adding additional weeks of training to the existing technical training.

CELEBRATING EXCELLENCE

The Alberta Apprenticeship and Industry Training Board continued to celebrate the achievements of highly skilled apprentices, journeymen, students and employers across Alberta. 2000–2001 saw many apprentices recognized by the Board and other organizations.

The 2000 Employer Awards of Excellence were presented to Risley Manufacturing Ltd. of Grande Prairie and Coram Construction of Calgary.

- The 2000 ***Alberta Apprenticeship and Industry Training Board Awards***, held in Calgary, honoured 51 Top Apprentices from across Alberta for their achievements in the final year of their apprenticeship program. Strong recommendations from employers accompanied by their first place marks led to their selection for these awards. The Employer Awards of Excellence were presented to Risley Manufacturing Ltd. of Grande Prairie and Coram Construction of Calgary.

- Two ***Thygesen Scholarships*** were awarded in the fall of 2000. The $500 scholarships went to Tara Lee Glieheisen, an apprentice baker, and Jennifer Ann Robinson, an apprentice landscape gardener. The Thygesen Scholarship was established by former Board Chairman Jake Thygesen as an annual award to apprentices who excel in a trade and are regarded by their employers as uniquely gifted and motivated.

- Top Instructor Awards will be presented for the first time as part of the 2001 Apprenticeship and Industry Training Awards ceremony.

- Sponsored by ***Skills Canada Alberta***, the 2000 Provincial Skills Competition at SAIT in Calgary hosted 104 apprentices in 14 trade areas. Provincial winners were eligible to compete at the 2000 Canadian Skills Competition in Quebec City. Alberta sent 15 trade-related competitors and won five gold medals. These five winners will go to the 2001 World Skills Competition in Seoul, Korea in September 2001.

- 2000–2001 represented the third year that ***Rutherford Scholarships*** were awarded to apprentices. Scholarships are based on marks received in Grades 10, 11 and 12 in Alberta with $400, $800 and $1300 awarded respectively. The maximum scholarship value is $2500.

The Alberta Apprenticeship and Industry Training Board recognizes that it must be accountable for results.

The Alberta Apprenticeship and Industry Training Board recognizes that it must be accountable for the performance of the apprenticeship and industry training system. In partnership with Alberta Learning, the Board has established and implemented several key performance indicators (KPIs).

The following indicators are consistent with KPIs developed for the learning system as a whole.

Employers' satisfaction with the Alberta apprenticeship and industry training system

This indicator measures employers' satisfaction with the Alberta apprenticeship and industry training system. The data was obtained through an employer survey completed in 2000.

- 97 per cent of all employers were satisfied or very satisfied with the skills of their certified journeymen compared to 95 per cent of employers in the 1998 survey.
- Overall, 90 per cent of all employers associated with the system were satisfied or very satisfied with the system compared to 86 per cent of employers in the 1998 survey.

Apprentice graduates' satisfaction with their apprenticeship training

The Apprentice Graduate Satisfaction indicator reflects the percentage of all graduates from the Alberta apprenticeship and industry training system who were very satisfied or somewhat satisfied with the quality of their on-the-job work experience and technical training.

The Apprentice Graduate Satisfaction indicator also compares the opinions of journeymen who completed their training in the August 1999 to July 2000 school year (graduates of 1999–2000) to those who completed between August 1997 and July 1998 (1997–1998 graduates). A survey is conducted every two years to update this indicator. The most recent key findings are:

- 92 per cent of 1999–2000 graduates were very or somewhat satisfied with the overall quality of their work experience compared to 91 per cent of 1997–1998 graduates who were very or somewhat satisfied.
- 95 per cent of 1999–2000 graduates were very or somewhat satisfied and 94 per cent of 1997–1998 graduates were very or somewhat satisfied with the overall quality of their technical training.
- Based on their experiences with apprenticeship training, 95 per cent of the 1999–2000 graduates would still have become an apprentice. In 1997–1998, 94 per cent of graduates would have made the same decision.

Yearly training completion ratio

This indicator shows the percentage of first year apprentices who complete that year and go on to complete the rest of their program (both technical training and work experience) within two years of their earliest possible completion date. In 1999–2000, 75 per cent of first year apprentices went on to complete the rest of their program within two years of their earliest possible completion date. In 1998–1999, the figure was also 75 per cent. In 1997–1998 the figure was 74 per cent.

Responsiveness to the skill requirements of the Alberta economy

This indicator measures employers' satisfaction and with the ability of the apprenticeship training system to provide skilled trades people. The data was obtained through an employer survey conducted in 2000.

- Overall, 85 per cent of employers were satisfied or very satisfied with the ability of apprenticeship training as a method of providing skilled trades people compared to 82 per cent of employers in the 1998 survey.

LOOKING TO THE FUTURE

Looking to the future, the Board will continue its leadership role in developing Alberta's highly skilled and trained workforce. It will work with the committees in the industry advisory network, other industry stakeholders, journeymen, apprentices and trainees, the technical institutes and colleges, and government to develop a qualified workforce that contributes to a strong Alberta economy.

In the coming year, the Board will continue to respond to innovation and changing industry needs while maintaining Alberta's high industry training and certification standards. This will include:

- developing, maintaining and updating the training and certification standards of each trade and designated occupation as requested by industry;
- supporting alternative and flexible methods of training and certification in consultation with industry;
- promoting greater participation of Aboriginal people in apprenticeship programs;
- promoting lifelong learning among journeymen and encouraging the use of the "train-the-trainer" concept.

It will work on strengthening the industry advisory network by focusing on initiatives aimed at enhancing the effectiveness of the network. This will include holding a workshop in 2001 and continuing to publish ***Update*** newsletter.

The Board will work to strengthen communication with all stakeholders, including the industry advisory network, training institutions, school guidance counsellors and work experience coordinators, employers, parents, high school students, career changers, journeymen, apprentices, trainees and other industry stakeholders in the context of it's Strategic Communications Plan, 2000–2003.

The Board will promote existing, and develop new, apprenticeship scholarships. It will contribute to the development and maintenance of interprovincial standards and support the interprovincial mobility of workers in designated trades.

Finally, the Board will be accountable for ensuring high quality, industry-oriented training by continuing to produce and publish key performance indicators.

BOARD CHAIRMAN

C. J. (CLIFF) WILLIAMS

Mr. Williams is the Chairman of the Board. His term began on January 1, 1998.

Mr. Williams holds trade certificates in the plumber and gasfitter trades. He has also completed numerous courses in estimating, project and materials management and critical path scheduling. After completing his apprenticeship he worked as a journeyman and a foreman until he founded Williams Plumbing & Heating Co. Ltd. in 1959. He was chief executive officer for 28 years.

In 1988, Mr. Williams joined Construction Labour Relations—an Alberta Association, as a Labour Relations Representative, an organization he had been instrumental in founding in 1970. Prior to joining the association as an employee he held positions of director and chairman of the board and chairman of the Mechanical Trade Division of the Association. Cliff retired from full time employment with CLR at the end of 1998.

Mr. Williams has participated in many other organizations. He was a member of and served on committees for the United Association of Journeymen and Apprentices of the Plumbers and Pipefitting Industry of the United States and Canada, Local 488. He has also served as chairman of the Provincial Division and the Edmonton District of the Mechanical Contractors Association of Alberta. He has been a member of the Alberta Labour Relations Board since 1983.

He is currently a trustee for two trust funds: Local 488 Edmonton Pipe Industry Health, Welfare and Pension Fund; and Local 8 Sheet Metal Workers Health and Welfare Trust Fund.

CURRENT BOARD MEMBERS

Representing employers in designated trades

LAWRENCE W. BATES

Mr. Bates' current term expires November 30, 2001

Mr. Bates has 37 years of experience in the automotive industry. He is currently president of Stadium Nissan Inc., Calgary. He has worked for General Motors of Canada as a mechanical training instructor, district service manager and supervisor of customer services. He also worked for Jack Carter Chev Olds Cadillac in Calgary as service manager, lease department manager and new vehicles sales manager.

Mr. Bates is a director of the Calgary Better Business Bureau, past chairman of the Nissan Canada Advisory Board, and a member of the Calgary Chamber of Commerce and the Rotary Club of Calgary. He is past director of the Motor Dealers Association of Alberta, past president of the Calgary Motor Dealers Association, and past chairman of the Nissan Dealer Performance Group and of the Calgary International Auto and Truck Show.

WILLIAM A. (BILL) BUSSING

Mr. Bussing's current term expires December 31, 2001.

Mr. Bussing holds a bachelor's degree in electrical engineering and a master's degree in economics. He is a registered professional engineer and a member of the Association of Professional Engineers, Geologists and Geophysicists of Alberta (APEGGA). He has 30 years experience in the construction industry, mainly in electrical work, instrumentation and general construction. He is now the manager of special services for Flint Energy Services Ltd.

Mr. Bussing is active in several industry organizations including the Merit Contractors Association, Alberta Construction Association and the Construction Owners Association of Alberta. He is past president of the Edmonton chapter and former board member of the Electrical Contractors Association of Alberta.

ALEXANDER (ALEX) MUNRO

Mr. Munro's current term expires December 31, 2003.

Mr. Munro holds a trade certificate with an Interprovincial Red Seal in the millwright trade. He has over 30 years experience in the pulp, paper and wood products industry in British Columbia and Alberta. He is employed by Alberta-Pacific Forest Industries Inc. as mill services business group leader. Previous positions with the company include woodroom manager, engineering and maintenance manager, and technical services group leader.

Prior to joining Alberta-Pacific, he was employed by Millar-Western Industries Ltd. in Whitecourt as a millwright, sawmill manager, and maintenance and engineering manager.

HENRY C. YIP

Mr. Yip's current term expires December 31, 2003.

Mr. Yip is a Professional Engineer in the Provinces of Alberta and Ontario. He is a graduate of the University of Western Ontario and of the Advancement Management Program at the Wharton School of Business. Mr. Yip has extensive experience in the telecommunications industry with TELUS Corporation, Jones Lightwave Ltd., and Bell Canada.

Mr. Yip is currently executive vice-president of Network Services for AT&T Canada. He is also on the board of directors of several companies and organizations, including Global Thermoelectric Inc, TR Labs, and the Engineering Science Advisory Council at the University of Western Ontario. Mr. Yip also chairs the Wireless Industry Development Working Group for the Alberta ICT Implementation Committee.

Representing employees in designated trades

BRENT M. BISH

Mr. Bish's current term expires December 31, 2001.

Mr. Bish holds journeymen certificates in the heavy equipment technician, partsman and crane and hoisting equipment operator trades, and an intermediate warehousing occupational certificate. He has over 20 years experience in the mining industry and works as a heavy duty mechanic at Cardinal River Coals Ltd., Hinton. He is also 1st Vice President of the United Mine Workers of America, Local 1656.

Mr. Bish has played an active role in initiatives such as the establishment of warehousing as a designated occupation.

MARSHA COWLEY

Mrs. Cowley's current term expires December 31, 2003.

Mrs. Cowley holds a hairstylist trade certificate in Alberta and Ontario, and the Alberta Achievement in Business Competencies Blue Seal.

Mrs. Cowley has worked in the hairstylist trade for 29 years. For 19 years, she has worked at Headquarters Salon & Day Spa in Sherwood Park. Prior to that, she owned her own salon in Ontario. Before becoming a Board member, Mrs. Cowley was active in apprenticeship and industry training for 16 years. She was the Presiding Officer for both the Local Apprenticeship Committee and the Provincial Apprenticeship Committee for the hairstylist trade. Mrs. Cowley was involved with developing Interprovincial (Red Seal) Program standards for the hairstylist trade. Since becoming a Board member, Mrs. Cowley has joined the Skills Canada Alberta Board and is looking forward to being involved in the upcoming Skills competition which Alberta is hosting.

DONALD (DON) LEZETC

Mr. Lezetc's current term expires December 31, 2003.

Mr. Lezetc holds trade certificates with an Interprovincial Red Seal in the welder and boilermaker trades, as well as Alberta "A" and "B" pressure welder certificates. For the past 10 years, he has been the administrator for the Alberta Boilermaker Joint Apprenticeship and Training Trust Fund. Previously, he worked as the Training Fund's instructor of boilermaker and welder upgrading programs.

Mr. Lezetc has been a member of the International Brotherhood of Boilermakers for 39 years working as a welder, boilermaker and supervisor on construction and maintenance of electric power installations, refineries, pulp mills and fertilizer plants in Alberta, British Columbia and Saskatchewan. He has also been involved in the provincial and local apprenticeship committee system for 15 years.

DOUGLAS SMITH

Mr. Smith's current term expires December 31, 2001.

Mr. Smith holds trade certificates in the machinist and millwright trades and a certificate in Engineering Technology. He is employed at TransCanada Pipelines, Plant Engineering department, where he is team leader in the facilities maintenance department. He worked in manufacturing and maintenance engineering in southern Africa, and as a machinist and general foreman for Acro Machine and Fabrication. He has also been an instructor for the mechanical engineering department of the Southern Alberta Institute of Technology, and has over 30 years of industry experience.

Representing employers in non-trades occupations

G. BRIAN BICKLEY

Mr. Bickley's current term expires November 30, 2001.

Mr. Bickley holds certificates in industrial instrumentation, watchmaking and adult continuing education. Mr. Bickley has over 30 years experience in industry. He is employed by Syncrude Canada Ltd. as industrial relations manager.

Mr. Bickley is also involved with the Alberta Construction Owners Association of Alberta (COAA). He is chair of the COAA's Workforce Development Coordinating Committee and the Essential Skills Committee. He also works closely with the COAA's Safety Committee to promote the importance of workplace safety in Alberta, particularly in the construction industry.

During his time with Syncrude, he has also been instrument supervisor, shutdown manager and maintenance manager. Before joining Syncrude, Mr. Bickley worked with the Steel Company of Canada and Texaco Canada Ltd.

LEONARD J. GABERT

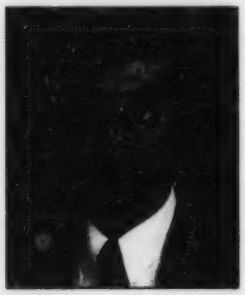
Mr. Gabert's current term expires December 31, 2003.

Mr. Gabert has 26 years experience in the rural natural gas industry. He is currently director, Paintearth Gas Co-op Ltd., zone director and past secretary treasurer for the Alberta Gas Co-ops Ltd., and also serves on the Board of Directors and the operating committee for Alberta One Call. He is active in co-ordinating and promoting training programs required by the industry. He played an instrumental role in establishing the gas utility operator as a designated occupation.

Mr. Gabert owns a mixed farm in the Castor area and is actively involved in the agriculture industry.

Mr. Gabert also volunteers for various charitable organizations.

Representing employees in non-trades occupations

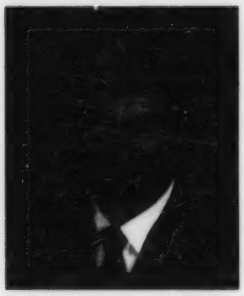


D. CRAIG EVANS

Mr. Evans' current term expires December 31, 2001.

Mr. Evans holds a partsman trade certificate. He has been employed for Waterous Detroit Diesel-Allison for 27 years, where he is currently a Parts Manager.

Mr. Evans has served as Presiding Officer and member for both the Provincial Apprenticeship Committee and a Local Apprenticeship Committee for the partsman trade.



BOB GENÉE

Mr. Genée's current term expires December 31, 2003.

Mr. Genée holds a trade certificate with an Interprovincial Red Seal in the carpenter trade.

Mr. Genée has worked in the construction industry for 23 years, of which 18 years was in the carpenter trade. He has been employed by Coram Construction for over 11 years and has been a District Administrator for the past five years.

Mr. Genée is also certified as a Construction Safety Officer for the Alberta Construction Safety Association.

PAST BOARD MEMBERS

MELVIN (MEL) RAFFARD

Mr. Raffard's represented employers in the designated trades on the Board until July 10, 2000.

Mr. Raffard holds a trade certificate in the power systems electrician trade. He is also a graduate of the Royal Canadian Electrical Mechanical Engineers School in Kingston, Ontario as both an electrical technician and an infrared technician. He has over 30 years experience in the electrical industry.

Mr. Raffard is employed as director of meter operations and engineering for EPCOR Technologies. He has served on the provincial apprenticeship committee for the power systems electrician trade as both an employer and employee representative. He is also a long-standing member of the Metering Section of the Canadian Electrical Association.

STATISTICAL PROFILES: ALBERTA'S APPRENTICESHIP AND INDUSTRY TRAINING SYSTEM

TABLE 1 **Alberta Apprenticeship and Provincial Labour Force Statistics, 1995 to 2000**

	1995	1996	1997	1998	1999	2000	1995–2000 Change
Total Apprenticeship Registrations (all trades)	23,416	24,836	27,179	30,555	31,390	32,773	40.0%
New Apprenticeship Registrations (all trades)	7,973	7,923	9,642	10,680	9,685	11,873	48.9%
Labour Force (thousands)	1,487.7	1,513.4	1,547.9	1,605.0	1,648.0	1,671.4	12.6%
Employed (thousands)	1,369.3	1,408.4	1,457.9	1,515.4	1,553.3	1,588.2	16.0%
Unemployed (thousands)	115.4	105.0	90.1	89.7	94.7	83.1	-28.0%
Unemployment (%)	7.8%	6.9%	5.8%	5.6%	5.7%	5.0%	-2.8 percentage points

Source: Alberta Learning

TABLE 2 - **Alberta Apprenticeship Registrations, Cancellations and Graduations by Trade, 2000**

Trade	Total Registered Apprentices on December 31, 2000	New Apprentices Registered During 2000 (Note 1)	Apprenticeship Cancellations During 2000 (Note 2)	Apprentices Graduated During 2000
AGRICULTURAL MECHANIC	92	30	33	18
APPLIANCE SERVICEMAN	**72**	28	**28**	5
AUTO BODY TECHNICIAN - ***Total***	491	176	170	52
Collision and Refinishing	***402***	***141***	***157***	***41***
Refinishing	*82*	31	*11*	13
Collision	***7***	***4***	***2***	***8***
AUTOMOTIVE SERVICE TECHNICIAN	2,263	646	464	177
BAKER	**222**	87	**62**	40
BOILERMAKER	128	42	10	28
BRICKLAYER	**140**	54	**26**	9
CABINETMAKER	436	120	104	37
CARPENTER	**2,444**	852	**475**	161
COMMUNICATION ELECTRICIAN - ***Total***	303	171	56	29
Construction	***41***	28	***14***	***2***
Network	262	143	42	27
CONCRETE FINISHER	**59**	17	**14**	6
COOK	927	326	340	131
CRANE AND HOISTING EQUIPMENT OPERATOR - *Total* (Note 3)	**867**	481	**140**	100
Mobile Crane	*313*	132	*84*	29
Tower Crane	***13***	*7*	***4***	***1***
Boom Truck	426	227	50	21
Heavy Boom Truck	***39***	*40*	***1***	***0***
Medium Boom Truck	27	27	*0*	8
Wellhead Boom Truck	***49***	48	***1***	***0***
ELECTRICAL MOTOR SYSTEMS TECHNICIAN	47	13	11	5
ELECTRICIAN	**5,029**	1,644	**393**	371
ELECTRONIC TECHNICIAN	52	18	27	2
ELEVATOR CONSTRUCTOR	**122**	46	**5**	4

TABLE 2 CONTINUED...

TRADE	Total Registered Apprentices on December 31, 2000	[redacted]	Apprenticeship Cancellations During 2000 (Note 2)	[redacted]
FLOORCOVERING INSTALLER	51	[redacted]	24	[redacted]
GASFITTER - *Total*	**173**	**73**	**52**	**219**
First Class	173	[redacted]	51	[redacted]
Second Class (Note 4)	***0***	***0***	***1***	***179***
GLAZIER	124	[redacted]	26	[redacted]
HAIRSTYLIST	**1,484**	**763**	**203**	**428**
HEAVY EQUIPMENT TECHNICIAN - ***Total*** (Note 5)	2,461	[redacted]	485	[redacted]
Heavy Equipment Technician	**2,425**	**702**	**483**	**367**
Heavy Duty Equipment Mechanic (Off Road)	6	[redacted]	2	[redacted]
Truck-Trailer	***17***	***17***	***0***	***133***
Truck and Transport Mechanic	*13*	[redacted]	*0*	[redacted]
INSTRUMENT MECHANIC	**1,067**	**429**	**279**	**106**
INSULATOR	427	[redacted]	72	[redacted]
IRONWORKER - *Total*	**320**	**142**	**75**	**27**
Ironworker	*244*	[redacted]	34	[redacted]
Metal Building Systems Erector	***76***	**29**	***41***	***16***
LANDSCAPE GARDENER	202	[redacted]	67	[redacted]
LATHER/INTERIOR SYSTEMS MECHANIC	**67**	**23**	**24**	**0**
LOCKSMITH	59	[redacted]	25	[redacted]
MACHINIST	**766**	**202**	**215**	**111**
MILLWRIGHT	1,209	[redacted]	243	[redacted]
MOTORCYCLE MECHANIC	**113**	**48**	**37**	**12**
PAINTER AND DECORATOR	139	[redacted]	45	[redacted]
PARTSMAN	**621**	**200**	**171**	**89**
PLUMBER	1,893	[redacted]	330	[redacted]
POWER LINEMAN	**160**	**70**	**26**	**19**
POWER SYSTEM ELECTRICIAN	63	[redacted]	16	[redacted]
PRINTING AND GRAPHIC ARTS CRAFTSMAN - *Total*	**11**	**5**	**26**	**1**
Pre Press	3	[redacted]	*10*	[redacted]
Press	***8***	**3**	***16***	***1***
RECREATION VEHICLE SERVICE TECHNICIAN	105	[redacted]	25	[redacted]
REFRIGERATION AND AIR CONDITIONING MECHANIC	**411**	**118**	**60**	**52**
ROOFER	112	[redacted]	39	[redacted]
SAWFILER	**28**	**11**	**0**	**8**
SHEET METAL WORKER	731	[redacted]	173	[redacted]
SPRINKLER SYSTEMS INSTALLER	**198**	**90**	**19**	**10**
STEAMFITTER–PIPEFITTER	1,383	[redacted]	297	[redacted]
STRUCTURAL STEEL AND PLATE FITTER	**136**	**50**	**58**	**17**
TILESETTER	62	[redacted]	8	[redacted]
TRANSPORT REFRIGERATION MECHANIC	**41**	**20**	**12**	**7**
WATER WELL DRILLER	31	[redacted]	7	[redacted]
WELDER	**4,391**	**1,725**	**1,050**	**824**
TOTAL	**32,733**	**11,873 (Note 1)**	**6,547 (Note 2)**	**4,509**

Source: Apprenticeship and Industry Training, Alberta Learning

Note 1: For the purposes of this report, new apprentices registered in 2000 includes first time ever registrants, apprentices registered in a second or multiple trades, and re-instated apprentices.

Note 2: An initiative was undertaken in 1999–2000 to identify and assist apprentices' progress in their program. Apprentices who had not attended technical training, completed an exam or submitted a record book were contacted, along with their employers. Those apprentices who were inactive and those who did not make a commitment to progress were cancelled.

Note 3: The crane and hoisting equipment operator trade is undergoing change. There are now new branches of the trade.

Note 4: The number of Apprenticeship Graduations for 2000 include those in the plumber and steamfitter–pipefitter trades who completed the gasfitter (second class) training as part of their apprenticeship.

Note 5: Branches of the heavy equipment technician trade were approved during the past year. Those who graduated from the trade after the branches were approved, graduated from the branches as well as the umbrella trade, i.e., 133 apprentices were issued certificates in all four branches of the trade.

TABLE 1 **Alberta Apprenticeship and Provincial Labour Force Statistics, 1995 to 2000**

	1995	1996	1997	1998	1999	2000	1995–2000 Change
Total Apprenticeship Registrations (all trades)	23,416	24,836	27,179	30,555	31,390	32,773	40.0%
New Apprenticeship Registrations (all trades)	7,973	7,923	9,642	10,680	9,685	11,873	48.9%
Labour Force (thousands)	1,487.7	1,513.4	1,547.9	1,605.0	1,648.0	1,671.4	12.6%
Employed (thousands)	1,369.3	1,408.4	1,457.9	1,515.4	1,553.3	1,588.2	16.0%
Unemployed (thousands)	115.4	105.0	90.1	89.7	94.7	83.1	-28.0%
Unemployment (%)	7.8%	6.9%	5.8%	5.6%	5.7%	5.0%	-2.8 percentage points

Source: Alberta Learning

TABLE 2 - **Alberta Apprenticeship Registrations, Cancellations and Graduations by Trade, 2000**

Trade	Total Registered Apprentices on December 31, 2000	New Apprentices Registered During 2000 (Note 1)	Apprenticeship Cancellations During 2000 (Note 2)	Apprenticeship Graduations During 2000
AGRICULTURAL MECHANIC	92	38	33	28
APPLIANCE SERVICEMAN	72	28	28	5
AUTO BODY TECHNICIAN - *Total*	491	176	170	62
Collision and Refinishing	402	141	157	41
Refinishing	82	31	11	13
Collision	7	4	2	8
AUTOMOTIVE SERVICE TECHNICIAN	2,263	646	464	277
BAKER	222	87	62	40
BOILERMAKER	128	42	10	26
BRICKLAYER	140	54	26	9
CABINETMAKER	436	120	104	35
CARPENTER	2,444	852	475	161
COMMUNICATION ELECTRICIAN - *Total*	303	171	56	29
Construction	41	28	14	2
Network	262	143	42	27
CONCRETE FINISHER	59	17	14	6
COOK	927	366	340	131
CRANE AND HOISTING EQUIPMENT OPERATOR - *Total* (Note 3)	867	481	140	100
Mobile Crane	313	132	84	28
Tower Crane	13	7	4	1
Boom Truck	426	227	50	71
Heavy Boom Truck	39	40	1	0
Medium Boom Truck	27	27	0	0
Wellhead Boom Truck	49	48	1	0
ELECTRICAL MOTOR SYSTEMS TECHNICIAN	47	13	11	8
ELECTRICIAN	5,029	1,644	393	371
ELECTRONIC TECHNICIAN	52	18	27	2
ELEVATOR CONSTRUCTOR	122	46	5	4

TABLE 2 CONTINUED...

TRADE	TOTAL REGISTERED APPRENTICES ON DECEMBER 31, 2000	NEW APPRENTICES REGISTERED DURING 2000 (Note 1)	APPRENTICESHIP CANCELLATIONS DURING 2000 (Note 2)	APPRENTICESHIP GRADUATIONS DURING 2000
FLOORCOVERING INSTALLER	51	21	24	1
GASFITTER - *Total*	173	73	52	219
First Class	173	73	51	40
Second Class (Note 4)	0	0	1	179
GLAZIER	124	50	26	9
HAIRSTYLIST	1,484	763	203	428
HEAVY EQUIPMENT TECHNICIAN - *Total* (Note 5)	2,461	740	485	766
Heavy Equipment Technician	2,425	702	483	367
Heavy Duty Equipment Mechanic (Off Road)	6	8	2	133
Truck-Trailer	17	17	0	133
Truck and Transport Mechanic	13	13	0	133
INSTRUMENT MECHANIC	1,067	429	279	106
INSULATOR	427	267	72	16
IRONWORKER - *Total*	320	142	75	27
Ironworker	244	113	34	11
Metal Building Systems Erector	76	29	41	16
LANDSCAPE GARDENER	202	70	67	24
LATHER/INTERIOR SYSTEMS MECHANIC	67	23	24	0
LOCKSMITH	59	14	25	5
MACHINIST	766	202	215	111
MILLWRIGHT	1,209	346	243	155
MOTORCYCLE MECHANIC	113	48	37	12
PAINTER AND DECORATOR	139	61	45	19
PARTSMAN	621	200	171	89
PLUMBER	1,893	616	330	111
POWER LINEMAN	160	70	26	19
POWER SYSTEM ELECTRICIAN	63	24	16	11
PRINTING AND GRAPHIC ARTS CRAFTSMAN - *Total*	11	5	26	1
Pre Press	3	2	10	0
Press	8	3	16	1
RECREATION VEHICLE SERVICE TECHNICIAN	105	26	25	15
REFRIGERATION AND AIR CONDITIONING MECHANIC	411	118	60	52
ROOFER	112	35	39	9
SAWFILER	28	11	0	8
SHEET METAL WORKER	731	264	173	60
SPRINKLER SYSTEMS INSTALLER	198	90	19	10
STEAMFITTER–PIPEFITTER	1,383	531	297	80
STRUCTURAL STEEL AND PLATE FITTER	136	50	58	17
TILESETTER	62	22	8	0
TRANSPORT REFRIGERATION MECHANIC	41	20	12	7
WATER WELL DRILLER	31	18	7	4
WELDER	4,391	1,725	1,050	824
TOTAL	**32,733**	**11,873 (Note 1)**	**6,547 (Note 2)**	**4,509**

Source: Apprenticeship and Industry Training, Alberta Learning

Note 1: For the purposes of this report, new apprentices registered in 2000 includes first time ever registrants, apprentices registered in a second or multiple trades, and re-instated apprentices

Note 2: An initiative was undertaken in 1999–2000 to identify and assist apprentices' progress in their program. Apprentices who had not attended technical training, completed an exam or submitted a record book were contacted, along with their employers. Those apprentices who were inactive and those who did not make a commitment to progress were cancelled.

Note 3: The crane and hoisting equipment operator trade is undergoing change. There are now new branches of the trade.

Note 4: The number of Apprenticeship Graduations for 2000 include those in the plumber and steamfitter–pipefitter trades who completed the gasfitter (second class) training as part of their apprenticeship.

Note 5: Branches of the heavy equipment technician trade were approved during the past year. Those who graduated from the trade after the branches were approved, graduated from the branches as well as the umbrella trade, i.e., 133 apprentices were issued certificates in all four branches of the trade.

TABLE 3 - Apprenticeship Registrations (Totals, Averages and Percentage Changes) by Trade, 1995 to 2000*

TRADE	1995	1996	1997	1998	1999	2000	1995–00 Average	1995–00 % Change
AGRICULTURAL MECHANIC	97	101	111	143	118	92	110	-5%
APPLIANCE SERVICEMAN	95	90	68	68	77	72	78	-24%
AUTO BODY TECHNICIAN - *Total*	525	537	539	359	462	491	486	-6%
Collision and Refinishing	525	537	539	332	387	422	454	-23%
Refinishing	N/A	N/A	N/A	27	67	82	N/A	N/A
Collision	N/A	N/A	N/A	0	8	7	N/A	N/A
AUTOMOTIVE SERVICE TECHNICIAN	1,922	2,043	2,169	2,330	2,366	2,263	2,182	18%
BAKER	267	299	303	283	237	222	269	-17%
BOILERMAKER	94	116	105	112	123	128	113	36%
BRICKLAYER	83	59	62	98	121	140	94	69%
CABINETMAKER	379	373	385	401	455	436	405	15%
CARPENTER	1,695	1,744	1,873	2,223	2,219	2,444	2,033	44%
COMMUNICATION ELECTRICIAN	110	114	120	158	220	303	171	175%
CONCRETE FINISHER	83	77	60	58	62	59	67	-29%
COOK	1,085	1,204	1,197	1,123	1,037	927	1,096	-15%
CRANE AND HOISTING EQUIPMENT OPERATOR - *Total* (Note 1)	530	657	689	531	629	867	651	64%
Mobile Crane	127	168	184	236	296	313	221	146%
Tower Crane	0	0	0	5	11	13	N/A	N/A
Boom Truck	403	489	505	290	322	426	406	6%
Heavy Boom Truck	N/A	N/A	N/A	N/A	N/A	39	N/A	N/A
Medium Boom Truck	N/A	N/A	N/A	N/A	N/A	27	N/A	N/A
Wellhead Boom Truck	N/A	N/A	N/A	N/A	N/A	49	N/A	N/A
ELECTRICAL MOTOR SYSTEMS TECHNICIAN	50	52	55	55	54	47	52	-6%
ELECTRICIAN	2,748	2,825	3,255	3,951	4,144	5,029	3,659	83%
ELECTRONIC TECHNICIAN	105	110	97	81	63	52	85	-50%
ELEVATOR CONSTRUCTOR	22	22	29	38	85	122	53	455%
FLOORCOVERING INSTALLER	80	68	62	60	55	51	63	-36%
GASFITTER	182	208	199	205	192	173	193	-5%
GLAZIER	102	88	97	92	112	124	103	22%
HAIRSTYLIST	1,347	1,450	1,379	1,383	1,348	1,484	1,399	10%
HEAVY EQUIPMENT TECHNICIAN	1,756	1,951	2,259	2,588	2,579	2,461	2,266	40%
INSTRUMENT MECHANIC	890	901	903	975	1,022	1,067	960	20%
INSULATOR	270	234	204	233	253	427	270	58%
IRONWORKER - *Total*	244	166	185	244	281	320	240	31%
Ironworker	72	84	98	134	177	244	135	239%
Metal Building Systems Erector	172	82	87	110	104	76	105	-56%
LANDSCAPE GARDENER	300	295	274	240	224	202	256	-33%
LATHER/INTERIOR SYSTEMS MECHANIC	63	48	46	43	68	67	56	6%
LOCKSMITH	88	93	88	79	75	59	80	-33%
MACHINIST	535	618	774	955	889	766	756	43%
MILLWRIGHT	870	968	1,100	1,225	1,260	1,209	1,105	39%
MOTORCYCLE MECHANIC	86	82	93	111	114	113	100	31%
PAINTER AND DECORATOR	159	160	148	144	144	139	149	-13%
PARTSMAN	500	557	605	635	681	621	600	24%
PLUMBER	1,110	1,080	1,213	1,422	1,722	1,893	1,407	71%
POWER LINEMAN	120	100	129	134	138	160	130	33%
POWER SYSTEM ELECTRICIAN	41	33	47	59	68	63	52	54%
PRINTING AND GRAPHIC ARTS CRAFTSMAN	127	100	78	50	34	11	67	-91%
RECREATION VEHICLE SERVICE TECHNICIAN	72	71	77	107	119	105	92	46%
REFRIGERATION AND AIR CONDITIONING MECHANIC	314	361	392	394	407	411	380	31%
ROOFER	118	98	79	97	125	112	105	-5%
SAWFILER	36	42	38	31	25	28	33	-22%
SHEET METAL WORKER	524	548	560	648	700	731	619	40%
SPRINKLER SYSTEMS INSTALLER	97	93	98	105	139	198	122	104%
STEAMFITTER–PIPEFITTER	718	782	879	1,110	1,230	1,383	1,017	93%
STRUCTURAL STEEL AND PLATE FITTER	112	136	170	184	161	136	150	21%
TILESETTER	33	25	21	27	48	62	36	88%
TRANSPORT REFRIGERATION MECHANIC	35	32	41	42	46	41	40	17%
WATER WELL DRILLER	37	45	39	35	24	31	35	-16%
WELDER	2,560	2,978	3,785	4,699	4,549	4,391	3,827	72%
TOTAL	**23,416**	**24,836**	**27,179**	**30,368**	**31,304**	**32,733**	**28,306**	**40%**

Source: Apprenticeship and Industry Training, Alberta Learning.
*The 1995, 1998 and 1999 figures differ from those presented in the Board's 1999–2000 Annual Report as an addition error was found and has been corrected.
N/A = Not Applicable. Data does not exist or is equal to zero in one or more of the specified years.
Note 1: The crane and hoisting equipment operator trade is undergoing change. There are now new branches of the trade.

TABLE 3 - Apprenticeship Registrations (Totals, Averages and Percentage Changes) by Trade, 1995 to 2000*

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APPLIANCE SERVICEMAN	95	90	68	68	77	72	78	-24%
AUTO BODY TECHNICIAN - *Total*	525	537	539	359	462	491	486	-6%
Collision and Refinishing	525	537	539	332	387	402	454	-23%
Refinishing	N/A	N/A	N/A	27	67	82	N/A	N/A
Collision	N/A	N/A	N/A	0	8	7	N/A	N/A
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BOILERMAKER	94	116	105	112	123	128	113	36%
BRICKLAYER	83	59	62	98	121	140	94	69%
CABINETMAKER	379	373	385	401	455	436	405	15%
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COOK	1,085	1,204	1,197	1,123	1,037	927	1,096	-15%
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Boom Truck	403	489	505	290	322	426	406	6%
Heavy Boom Truck	N/A	N/A	N/A	N/A	N/A	39	N/A	N/A
Medium Boom Truck	N/A	N/A	N/A	N/A	N/A	27	N/A	N/A
Wellhead Boom Truck	N/A	N/A	N/A	N/A	N/A	49	N/A	N/A
ELECTRICAL MOTOR SYSTEMS TECHNICIAN	50	52	55	55	54	47	52	-6%
ELECTRICIAN	2,748	2,825	3,255	3,951	4,144	5,029	3,659	83%
ELECTRONIC TECHNICIAN	105	110	97	81	63	52	85	-50%
ELEVATOR CONSTRUCTOR	22	22	29	38	85	122	53	455%
FLOORCOVERING INSTALLER	80	68	62	60	55	51	63	-36%
GASFITTER	182	208	199	205	192	173	193	-5%
GLAZIER	102	88	97	92	112	124	103	22%
HAIRSTYLIST	1,347	1,450	1,379	1,383	1,348	1,484	1,399	10%
HEAVY EQUIPMENT TECHNICIAN	1,756	1,951	2,259	2,588	2,579	2,461	2,266	40%
INSTRUMENT MECHANIC	890	901	903	975	1,022	1,067	960	20%
INSULATOR	270	234	204	233	253	427	270	58%
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Metal Building Systems Erector	172	82	87	110	104	76	105	-56%
LANDSCAPE GARDENER	300	295	274	240	224	202	256	-33%
LATHER/INTERIOR SYSTEMS MECHANIC	63	48	46	43	68	67	56	6%
LOCKSMITH	88	93	88	79	75	59	80	-33%
MACHINIST	535	618	774	955	889	766	756	43%
MILLWRIGHT	870	968	1,100	1,225	1,260	1,209	1,105	39%
MOTORCYCLE MECHANIC	86	82	93	111	114	113	100	31%
PAINTER AND DECORATOR	159	160	148	144	144	139	149	-13%
PARTSMAN	500	557	605	635	681	621	600	24%
PLUMBER	1,110	1,080	1,213	1,422	1,722	1,893	1,407	71%
POWER LINEMAN	120	100	129	134	138	160	130	33%
POWER SYSTEM ELECTRICIAN	41	33	47	59	68	63	52	54%
PRINTING AND GRAPHIC ARTS CRAFTSMAN	127	100	78	50	34	11	67	-91%
RECREATION VEHICLE SERVICE TECHNICIAN	72	71	77	107	119	105	92	46%
REFRIGERATION AND AIR CONDITIONING MECHANIC	314	361	392	394	407	411	380	31%
ROOFER	118	98	79	97	125	112	105	-5%
SAWFILER	36	42	38	31	25	28	33	-22%
SHEET METAL WORKER	524	548	560	648	700	731	619	40%
SPRINKLER SYSTEMS INSTALLER	97	95	98	105	139	198	122	104%
STEAMFITTER–PIPEFITTER	718	782	879	1,110	1,230	1,383	1,017	93%
STRUCTURAL STEEL AND PLATE FITTER	112	136	170	184	161	136	150	21%
TILESETTER	33	25	21	27	48	62	36	88%
TRANSPORT REFRIGERATION MECHANIC	35	32	41	42	46	41	40	17%
WATER WELL DRILLER	37	45	39	35	24	31	35	-16%
WELDER	2,560	2,978	3,785	4,699	4,549	4,391	3,827	72%
TOTAL	23,416	24,836	27,179	30,368	31,304	32,733	28,306	40%

Source: Apprenticeship and Industry Training, Alberta Learning.
*The 1995, 1998 and 1999 figures differ from these presented in the Board's 1999–2000 Annual Report as an addition error was found and has been corrected.
N/A = Not Applicable. Data does not exist or is equal to zero in one or more of the specified years.
Note 1: The crane and hoisting equipment operator trade is undergoing change. There are now new branches of the trade.

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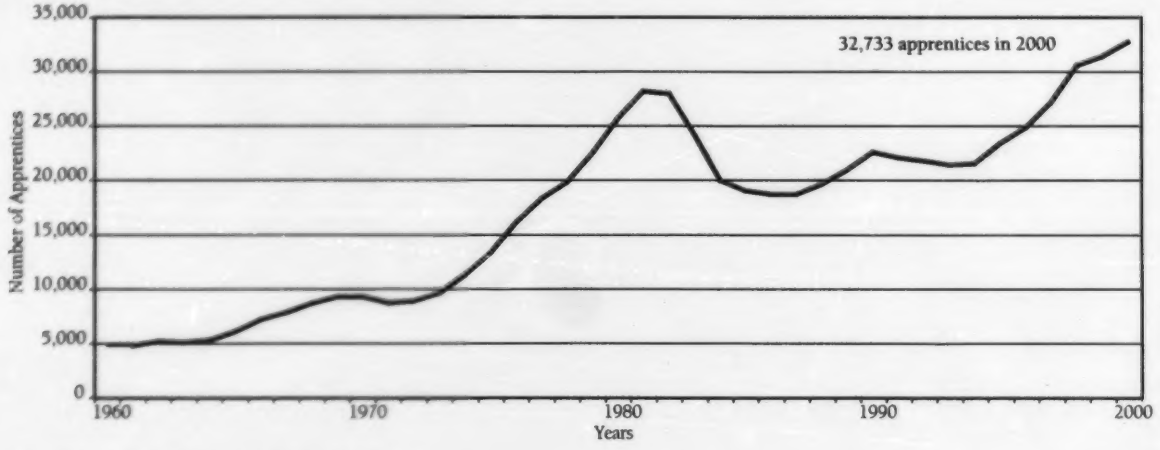
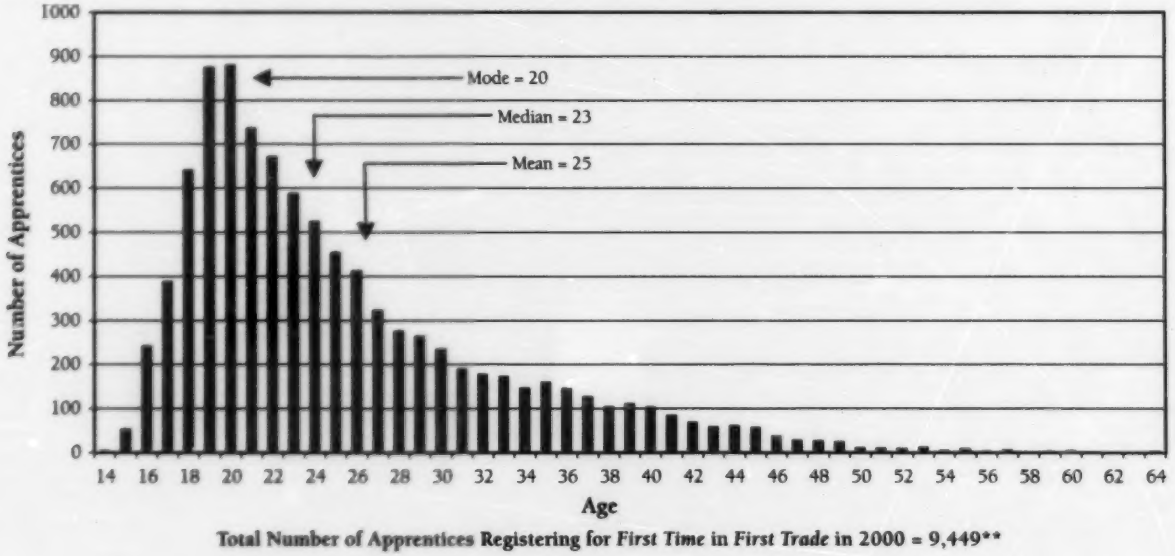
CHART 1 Apprentices Registered in Alberta, 1960 to 2000*



Source: Apprenticeship and Industry Training, Alberta Learning.
*This graph represent statistics covering calendar years (January to December).

CHART 2 Age of Apprentices Registered for First Time in First Trade, 2000*



Total Number of Apprentices Registering for *First Time* in *First Trade* in 2000 = 9,449**

Source: Apprenticeship and Industry Training, Alberta Learning
* Age at date of registration.
** The 9,449 total in the chart above includes only first time registrations in first trades. The total number of new registrations in Table 4 is 11,873. This number includes those registering in additional trades.

Mean - defined as the sum of the ages of all apprentices divided by the total number of apprentices involved.
Median - defined as the middle age category with an equal number of apprentices younger and older than this group.
Mode - defined as the largest age category or most frequent age of apprentices.

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TABLE 4 - New Apprenticeship Registrations (Totals, Averages and Percentage Changes) by Trade, 1995 to 2000

TRADE	1995	1996	1997	1998	1999	2000	1995–00 Average	199–00 % Change
AGRICULTURAL MECHANIC	**51**	**51**	**62**	**75**	**36**	**38**	**52**	**-25%**
APPLIANCE SERVICEMAN	25	21	13	22	26	28	23	12%
AUTO BODY TECHNICIAN - *Total*	**172**	**143**	**158**	**153**	**161**	**176**	**161**	**2%**
Collision and Refinishing	172	143	158	133	127	141	146	-18%
Refinishing	**N/A**	**N/A**	**N/A**	**20**	**32**	**31**	**N/A**	**N/A**
Collision	N/A	N/A	N/A	0	2	4	N/A	N/A
AUTOMOTIVE SERVICE TECHNICIAN	**618**	**614**	**701**	**692**	**620**	**646**	**649**	**5%**
BAKER	94	97	93	78	64	87	86	-7%
BOILERMAKER	**33**	**50**	**21**	**34**	**36**	**42**	**36**	**27%**
BRICKLAYER	25	11	21	49	52	54	35	116%
CABINETMAKER	**117**	**89**	**110**	**107**	**140**	**120**	**114**	**3%**
CARPENTER	401	507	613	765	924	852	677	112%
COMMUNICATION ELECTRICIAN	**34**	**27**	**28**	**59**	**97**	**171**	**69**	**403%**
CONCRETE FINISHER	33	21	19	20	29	17	23	-48%
COOK	**410**	**416**	**378**	**344**	**361**	**366**	**379**	**-11%**
CRANE AND HOISTING EQUIPMENT OPERATOR - ***Total***	261	278	265	267	314	481	311	84%
Mobile Crane	**45**	**71**	**68**	**106**	**125**	**132**	**91**	**193%**
Tower Crane	0	0	0	5	6	7	N/A	N/A
Boom Truck	**216**	**207**	**197**	**156**	**183**	**227**	**198**	**5%**
Heavy Boom Truck	N/A	N/A	N/A	N/A	N/A	40	N/A	N/A
Medium Boom Truck	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**27**	**N/A**	**N/A**
Wellhead Boom Truck	N/A	N/A	N/A	N/A	N/A	48	N/A	N/A
ELECTRICAL MOTOR SYSTEMS TECHNICIAN	**11**	**20**	**17**	**16**	**13**	**13**	**15**	**18%**
ELECTRICIAN	633	712	1,154	1,354	1,235	1,644	1,122	160%
ELECTRONIC TECHNICIAN	**23**	**27**	**22**	**17**	**13**	**18**	**20**	**-22%**
ELEVATOR CONSTRUCTOR	9	11	8	17	54	46	24	411%
FLOORCOVERING INSTALLER	**32**	**23**	**24**	**17**	**24**	**21**	**24**	**-34%**
GASFITTER	81	89	66	82	58	73	75	-10%
GLAZIER	**31**	**14**	**38**	**24**	**52**	**50**	**35**	**61%**
HAIRSTYLIST	784	826	703	668	674	763	736	-3%
HEAVY EQUIPMENT TECHNICIAN	**650**	**594**	**780**	**873**	**637**	**740**	**712**	**14%**
INSTRUMENT MECHANIC	189	194	269	307	280	429	278	127%
INSULATOR	**46**	**36**	**64**	**93**	**93**	**267**	**100**	**480%**
IRONWORKER - ***Total***	189	203	64	107	123	142	138	-25%
Ironworker	**17**	**28**	**37**	**57**	**78**	**113**	**55**	**565%**
Metal Building Systems Erector	172	175	27	50	45	29	83	-83%
LANDSCAPE GARDENER	**97**	**74**	**55**	**53**	**62**	**70**	**69**	**-28%**
LATHER/INTERIOR SYSTEMS MECHANIC	25	13	17	10	35	23	21	-8%
LOCKSMITH	**29**	**23**	**16**	**14**	**21**	**14**	**20**	**-52%**
MACHINIST	184	196	251	348	144	202	221	10%
MILLWRIGHT	**290**	**307**	**348**	**379**	**341**	**346**	**335**	**19%**
MOTORCYCLE MECHANIC	32	25	40	44	34	48	37	50%
PAINTER AND DECORATOR	**40**	**49**	**42**	**48**	**50**	**61**	**48**	**53%**
PARTSMAN	200	197	217	211	249	200	212	0%
PLUMBER	**262**	**294**	**423**	**491**	**584**	**616**	**445**	**135%**
POWER LINEMAN	43	23	48	37	42	70	44	63%
POWER SYSTEM ELECTRICIAN	**15**	**9**	**21**	**23**	**29**	**24**	**20**	**60%**
PRINTING AND GRAPHIC ARTS CRAFTSMAN	24	15	24	5	1	5	12	-79%
RECREATION VEHICLE SERVICE TECHNICIAN	**25**	**34**	**51**	**47**	**38**	**26**	**37**	**4%**
REFRIGERATION AND AIR CONDITIONING MECHANIC	99	93	108	94	106	118	103	19%
ROOFER	**30**	**21**	**22**	**43**	**52**	**35**	**34**	**17%**
SAWFILER	17	20	11	6	3	11	11	-35%
SHEET METAL WORKER	**130**	**154**	**152**	**199**	**201**	**264**	**183**	**103%**
SPRINKLER SYSTEMS INSTALLER	21	26	32	38	71	90	46	329%
STEAMFITTER–PIPEFITTER	**242**	**226**	**308**	**398**	**345**	**531**	**342**	**119%**
STRUCTURAL STEEL AND PLATE FITTER	45	48	69	52	43	50	51	11%
TILESETTER	**3**	**5**	**6**	**9**	**28**	**22**	**12**	**633%**
TRANSPORT REFRIGERATION MECHANIC	18	4	22	11	17	20	15	11%
WATER WELL DRILLER	**20**	**18**	**13**	**14**	**10**	**18**	**16**	**-10%**
WELDER	1,130	975	1,655	1,859	1,063	1,725	1,401	53%
TOTAL	**7,973**	**7,923**	**9,642**	**10,673**	**9,685**	**11,873**	**9,628**	**49%**

Source: Apprenticeship and Industry Training, Alberta Learning
N/A = Not Applicable. Data does not exist or is equal to zero in one or more of the specified years.

TABLE 5 - **Alberta Trade and Occupation Certificates Issued in 2000**

TRADE/OCCUPATION	Journeyman and Occupational Certificates Issued to Completing Apprentices and Trainees (Note 1)	Equivalency Process (Note 2)	Red Seal Issued to Completing Apprentices	Interprovincial Red Seal Program (Note 3)	Qualification Certificates (Note 4)
AGRICULTURAL MECHANIC	28	[illegible]	23	[illegible]	1
APPLIANCE SERVICEMAN	5	0	2	3	3
AUTO BODY TECHNICIAN - *Total*	63	[illegible]	47	[illegible]	27
Collision and Refinishing	42	1	34	5	5
Refinishing	8	[illegible]	13	[illegible]	1
Collision	13	1	N/A	N/A	21
AUTOMOTIVE SERVICE TECHNICIAN	289	[illegible]	268	[illegible]	19
BAKER	40	0	35	1	1
BOILERMAKER	26	[illegible]	24	[illegible]	0
BRICKLAYER	9	0	3	0	0
CABINETMAKER	36	[illegible]	36	[illegible]	0
CARPENTER	163	0	118	3	3
CONCRETE FINISHER	7	[illegible]	6	[illegible]	1
COMMUNICATION ELECTRICIAN - Total	28	0	N/A	N/A	3
Construction	2	[illegible]	N/A	[illegible]	0
Network	26	0	N/A	N/A	3
COOK	135	[illegible]	128	[illegible]	10
CRANE AND HOISTING EQUIPMENT OPERATOR - Total	97	10	34	154	81
Mobile Crane	28	[illegible]	34	[illegible]	3
Tower Crane	1	0	N/A	N/A	1
Boom Truck	68	[illegible]	N/A	[illegible]	36
Heavy Boom Truck	0	0	N/A	N/A	0
Medium Boom Truck	0	[illegible]	N/A	[illegible]	0
Wellhead Boom Truck	0	0	N/A	N/A	41
ELECTRICAL MOTOR SYSTEMS TECHNICIAN	11	[illegible]	10	[illegible]	0
ELECTRICIAN	369	16	322	51	40
ELECTRONIC TECHNICIAN	2	[illegible]	2	[illegible]	2
ELEVATOR CONSTRUCTOR	4	3	N/A	N/A	0
FLOORCOVERING INSTALLER	1	[illegible]	1	[illegible]	0
GASFITTER - Total	217	7	N/A	N/A	11
First Class	39	[illegible]	N/A	[illegible]	10
Second Class	178	4	N/A	N/A	1
GLAZIER	9	[illegible]	9	[illegible]	1
HAIRSTYLIST	428	34	291	45	12
HEAVY EQUIPMENT TECHNICIAN - *Total* (Note 5)	764	[illegible]	325	[illegible]	68
Heavy Equipment Technician	365	17	210	13	26
Heavy Duty Equipment Mechanic (Off Road)	133	[illegible]	115	[illegible]	14
Truck-Trailer	133	6	N/A	N/A	14
Truck and Transport Mechanic	133	[illegible]	0	[illegible]	14
INSTRUMENT MECHANIC	106	0	92	4	5
INSULATOR	16	[illegible]	11	[illegible]	2
IRONWORKER - Total	27	0	11	4	7
Ironworker	11	[illegible]	11	[illegible]	4
Metal Building Systems Erector	16	0	N/A	N/A	3
LANDSCAPE GARDENER	24	[illegible]	N/A	[illegible]	0
LATHER/INTERIOR SYSTEMS MECHANIC	0	0	0	0	0
LOCKSMITH	5	[illegible]	N/A	[illegible]	0
MACHINIST	112	0	110	0	0

TABLE 4 - **New Apprenticeship Registrations (Totals, Averages and Percentage Changes) by Trade, 1995 to 2000**

TRADE	1995	1996	1997	1998	1999	2000	1995–00 Average	199–00 % Change
AGRICULTURAL MECHANIC	**51**	**51**	**62**	**75**	**36**	**38**	**52**	**-25%**
APPLIANCE SERVICEMAN	25	21	13	22	26	28	23	12%
AUTO BODY TECHNICIAN - *Total*	**172**	**143**	**158**	**153**	**161**	**176**	**161**	**2%**
Collision and Refinishing	172	143	158	133	127	141	146	-18%
Refinishing	***N/A***	***N/A***	***N/A***	***20***	***32***	***31***	***N/A***	***N/A***
Collision	N/A	N/A	N/A	2	2	4	N/A	N/A
AUTOMOTIVE SERVICE TECHNICIAN	**618**	**614**	**701**	**692**	**620**	**646**	**649**	**5%**
BAKER	94	97	93	78	64	87	86	-7%
BOILERMAKER	**33**	**30**	**21**	**34**	**36**	**42**	**36**	**27%**
BRICKLAYER	25	11	21	40	52	54	35	116%
CABINETMAKER	**117**	**89**	**110**	**107**	**140**	**120**	**114**	**3%**
CARPENTER	401	507	613	765	924	852	677	112%
COMMUNICATION ELECTRICIAN	**34**	**27**	**28**	**59**	**97**	**171**	**69**	**403%**
CONCRETE FINISHER	33	21	19	20	29	17	23	-48%
COOK	**410**	**416**	**378**	**344**	**361**	**366**	**379**	**-11%**
CRANE AND HOISTING EQUIPMENT OPERATOR - ***Total***	261	278	265	267	314	481	311	84%
Mobile Crane	***45***	***71***	***68***	***106***	***125***	***132***	***91***	***193%***
Tower Crane	0	0	0	5	6	7	N/A	N/A
Boom Truck	***216***	***207***	***197***	***156***	***183***	***227***	***198***	***5%***
Heavy Boom Truck	N/A	N/A	N/A	N/A	N/A	40	N/A	N/A
Medium Boom Truck	***N/A***	***N/A***	***N/A***	***N/A***	***N/A***	***27***	***N/A***	***N/A***
Wellhead Boom Truck	N/A	N/A	N/A	N/A	N/A	48	N/A	N/A
ELECTRICAL MOTOR SYSTEMS TECHNICIAN	**11**	**20**	**17**	**16**	**13**	**13**	**15**	**18%**
ELECTRICIAN	633	712	1,154	1,354	1,235	1,644	1,122	160%
ELECTRONIC TECHNICIAN	**23**	**27**	**22**	**17**	**13**	**18**	**20**	**-22%**
ELEVATOR CONSTRUCTOR	9	11	8	17	54	46	24	411%
FLOORCOVERING INSTALLER	**32**	**23**	**24**	**17**	**24**	**21**	**24**	**-34%**
GASFITTER	81	89	66	82	58	73	75	-10%
GLAZIER	**31**	**14**	**38**	**24**	**52**	**50**	**35**	**61%**
HAIRSTYLIST	784	826	703	668	674	763	736	-3%
HEAVY EQUIPMENT TECHNICIAN	**650**	**594**	**780**	**873**	**637**	**740**	**712**	**14%**
INSTRUMENT MECHANIC	189	194	269	307	280	429	278	127%
INSULATOR	**46**	**36**	**64**	**93**	**93**	**267**	**100**	**480%**
IRONWORKER - ***Total***	189	203	64	107	123	142	138	-25%
Ironworker	***17***	***28***	***37***	***57***	***78***	***113***	***55***	***565%***
Metal Building Systems Erector	172	175	27	50	45	29	83	-83%
LANDSCAPE GARDENER	**97**	**74**	**55**	**53**	**62**	**70**	**69**	**-28%**
LATHER/INTERIOR SYSTEMS MECHANIC	25	13	17	10	35	23	21	-8%
LOCKSMITH	**29**	**23**	**16**	**14**	**21**	**14**	**20**	**-52%**
MACHINIST	184	196	251	348	144	202	221	10%
MILLWRIGHT	**290**	**307**	**348**	**379**	**341**	**346**	**335**	**19%**
MOTORCYCLE MECHANIC	32	25	40	44	34	48	37	50%
PAINTER AND DECORATOR	**40**	**49**	**42**	**48**	**50**	**61**	**48**	**53%**
PARTSMAN	200	197	217	211	249	200	212	0%
PLUMBER	**262**	**294**	**423**	**491**	**584**	**616**	**445**	**135%**
POWER LINEMAN	43	23	48	37	42	70	44	63%
POWER SYSTEM ELECTRICIAN	**15**	**9**	**21**	**23**	**29**	**24**	**20**	**60%**
PRINTING AND GRAPHIC ARTS CRAFTSMAN	24	15	24	5	1	5	12	-79%
RECREATION VEHICLE SERVICE TECHNICIAN	**25**	**34**	**51**	**47**	**38**	**26**	**37**	**4%**
REFRIGERATION AND AIR CONDITIONING MECHANIC	99	93	108	94	106	118	103	19%
ROOFER	**30**	**21**	**22**	**43**	**52**	**35**	**34**	**17%**
SAWFILER	17	20	11	6	3	11	11	-35%
SHEET METAL WORKER	**130**	**154**	**152**	**199**	**201**	**264**	**183**	**103%**
SPRINKLER SYSTEMS INSTALLER	21	26	32	38	71	90	46	329%
STEAMFITTER–PIPEFITTER	**242**	**226**	**306**	**398**	**345**	**531**	**342**	**119%**
STRUCTURAL STEEL AND PLATE FITTER	45	48	69	52	43	50	51	11%
TILESETTER	**3**	**5**	**6**	**9**	**28**	**22**	**12**	**633%**
TRANSPORT REFRIGERATION MECHANIC	18	4	22	11	17	20	15	11%
WATER WELL DRILLER	**20**	**18**	**13**	**14**	**10**	**18**	**16**	**-10%**
WELDER	1,130	975	1,655	1,859	1,063	1,725	1,401	53%
TOTAL	**7,973**	**7,923**	**9,642**	**10,673**	**9,685**	**11,873**	**9,628**	**49%**

Source: Apprenticeship and Industry Training, Alberta Learning
N/A = Not Applicable. Data does not exist or is equal to zero in one or more of the specified years.

TABLE 5 - **Alberta Trade and Occupation Certificates Issued in 2000**

TRADE/OCCUPATION	Journeyman and Occupational Certificates Issued to Completing Apprentices and Trainees (Note 1)	Equivalency Documents (Note 2)	Red Seal Issued to Completing Apprentices	Extended Red Seal Program (Note 3)	Qualification Certificates (Note 4)
AGRICULTURAL MECHANIC	28	0	23	1	1
APPLIANCE SERVICEMAN	5	0	2	3	3
AUTO BODY TECHNICIAN - *Total*	63	2	47	23	27
Collision and Refinishing	42	1	34	5	5
Refinishing	8	0	13	18	1
Collision	13	1	N/A	N/A	21
AUTOMOTIVE SERVICE TECHNICIAN	289	19	268	35	19
BAKER	40	0	35	1	1
BOILERMAKER	26	2	24	1	0
BRICKLAYER	9	0	3	0	0
CABINETMAKER	36	0	36	0	0
CARPENTER	163	0	118	3	3
CONCRETE FINISHER	7	0	6	1	1
COMMUNICATION ELECTRICIAN - *Total*	28	0	N/A	N/A	3
Construction	2	0	N/A	N/A	0
Network	26	0	N/A	N/A	3
COOK	135	0	128	13	10
CRANE AND HOISTING EQUIPMENT OPERATOR - *Total*	97	10	34	154	81
Mobile Crane	28	9	34	154	3
Tower Crane	1	0	N/A	N/A	1
Boom Truck	68	1	N/A	N/A	36
Heavy Boom Truck	0	0	N/A	N/A	0
Medium Boom Truck	0	0	N/A	N/A	0
Wellhead Boom Truck	0	0	N/A	N/A	41
ELECTRICAL MOTOR SYSTEMS TECHNICIAN	11	0	10	0	0
ELECTRICIAN	369	16	322	51	40
ELECTRONIC TECHNICIAN	2	0	2	1	2
ELEVATOR CONSTRUCTOR	4	3	N/A	N/A	0
FLOORCOVERING INSTALLER	1	0	1	0	0
GASFITTER - *Total*	217	7	N/A	N/A	11
First Class	39	3	N/A	N/A	10
Second Class	178	4	N/A	N/A	1
GLAZIER	9	0	9	1	1
HAIRSTYLIST	428	34	291	45	12
HEAVY EQUIPMENT TECHNICIAN - *Total* (Note 5)	764	37	323	24	68
Heavy Equipment Technician	365	17	210	13	26
Heavy Duty Equipment Mechanic (Off Road)	133	8	115	11	14
Truck-Trailer	133	6	N/A	N/A	14
Truck and Transport Mechanic	133	6	0	0	14
INSTRUMENT MECHANIC	106	0	92	4	5
INSULATOR	16	0	11	2	2
IRONWORKER - *Total*	27	0	11	4	7
Ironworker	11	0	11	4	4
Metal Building Systems Erector	16	0	N/A	N/A	3
LANDSCAPE GARDENER	24	0	N/A	N/A	0
LATHER/INTERIOR SYSTEMS MECHANIC	0	0	0	0	0
LOCKSMITH	5	0	N/A	N/A	0
MACHINIST	112	0	110	0	0

TABLE 5 CONTINUED...

TRADE/OCCUPATION	JOURNEYMAN AND OCCUPATIONAL CERTIFICATES ISSUED TO COMPLETING APPRENTICES AND TRAINEES (Note 1)	[illegible] (Note 2)	RED SEAL ISSUED TO COMPLETING APPRENTICES	[illegible] (Note 3)	QUALIFICATION CERTIFICATES (Note 4)
MILLWRIGHT	153	[illegible]	143	[illegible]	9
MOTORCYCLE MECHANIC	**12**	**1**	**13**	**5**	**3**
PAINTER AND DECORATOR	19	[illegible]	19	[illegible]	2
PARTSMAN	**93**	**0**	**98**	**3**	**5**
PLUMBER	110	[illegible]	99	[illegible]	2
POWER LINEMAN	**19**	**2**	**23**	**30**	**7**
POWER SYSTEM ELECTRICIAN	12	[illegible]	N/A	[illegible]	2
PRINTING AND GRAPHIC ARTS - Total	**1**	**0**	**N/A**	**N/A**	**0**
Pre Press	0	[illegible]	N/A	[illegible]	0
Press	**1**	**0**	**N/A**	**N/A**	**0**
RECREATION VEHICLE SERVICE TECHNICIAN	**13**	[illegible]	5	[illegible]	**0**
REFRIGERATION AND AIR CONDITIONING MECHANIC	**53**	**0**	**45**	**1**	**1**
ROOFER	9	[illegible]	9	[illegible]	3
SAWFILER	**7**	**0**	**N/A**	**N/A**	**0**
CIRCULAR SAWFILER	1	[illegible]	0	[illegible]	0
SHEET METAL WORKER	**61**	**0**	**48**	**0**	**0**
SPRINKLER SYSTEMS INSTALLER	10	[illegible]	7	[illegible]	0
STEAMFITTER-PIPEFITTER	**74**	**8**	**71**	**11**	**3**
STRUCTURAL STEEL AND PLATE FITTER	18	[illegible]	16	[illegible]	1
TILESETTER	**0**	**0**	**N/A**	**N/A**	**0**
TOOL AND DIE MAKER	0	[illegible]	0	[illegible]	0
TRANSPORT REFRIGERATION MECHANIC	**8**	**0**	**N/A**	**N/A**	**0**
WATER WELL DRILLER	4	[illegible]	N/A	[illegible]	0
WELDER	**838**	**16**	**829**	**57**	**50**
TOTAL JOURNEYMAN CERTIFICATES	**4,536** (Notes 1 and 5)	**177**	**3,333**	**503**	**385**
CONSTRUCTION CRAFT LABOURER	**257**	**N/A**	**N/A**	**N/A**	**N/A**
GAS UTILITY OPERATOR	10	[illegible]	N/A	[illegible]	N/A
PLASTERER	**0**	**N/A**	**N/A**	**N/A**	**N/A**
WAREHOUSING	150	[illegible]	N/A	[illegible]	N/A
TOTAL OCCUPATIONAL CERTIFICATES	**417**	[illegible]	**N/A**	[illegible]	**N/A**
TOTALS - ALL CERTIFICATES	**4,953**	**177** (Note 2)	**3,333**	**503** (Note 3)	**385** (Note 4)

Source: Apprenticeship and Industry Training, Alberta Learning
Bolding means a trade which is recognized under the Interprovincial (Red Seal) Program.
N/A = Not Applicable.

Note 1: 4,509 apprentices completed all their technical training requirements in 2000 and were therefore classified as "Apprenticeship Graduates" in Table 2. However, journeyman certificates processed and issued to completing apprentices in 2000 totalled 4,536 since some of the certificates issued were to apprentices who had completed all their work experience and technical training requirements in the previous year.

Note 2: 177 Equivalency Documents were issued in 2000. Alberta Equivalency Documents are issued to recognize a certificate or document as being equivalent to a trade certificate granted under the Apprenticeship and Industry Training Act when the skills and knowledge on which that certificate or document is based have been deemed to be equivalent to those of an Alberta certified journeyman in that trade (i.e. individuals having completed an apprenticeship program in another country).

Note 3: 503 'Extended' Interprovincial Red Seals were issued in 2000 to individuals who achieved journeyman status through certification only (i.e. without completion of an apprenticeship) or to individuals who had passed the interprovincial examination in Alberta rather than in their own province.

Note 4: The Qualification Certificate Program provides an assessment of prior work experience, knowledge and skills.

Note 5: Branches of the heavy equipment technician (HET) trade were approved during the past year. Those who graduated from the trade after the branches were approved, graduated from the branches as well as the umbrella trade, i.e., 133 apprentices were issued certificates in all four branches of the trade. Without the additional 399 HET certificates issued, the total journeyman certificates would be 4,137.

TABLE 6 - Alberta Trade Certificates Issued to Completing Apprentices by Trade, 1995 to 2000

	1995	1996	1997	1998	1999	2000	Totals 1995–00
AGRICULTURAL MECHANIC	20	30	40	24	36	28	178
APPLIANCE SERVICEMAN	**17**	**18**	**21**	**12**	**2**	**5**	**75**
AUTO BODY TECHNICIAN - ***Total***	91	79	71	59	76	63	439
Collision and Refinishing	***91***	***79***	***71***	***59***	***76***	***42***	***418***
Refinishing	*N/A*	*N/A*	*N/A*	*N/A*	*N/A*	*8*	*8*
Collision	***N/A***	***N/A***	***N/A***	***N/A***	***N/A***	***13***	***13***
AUTOMOTIVE SERVICE TECHNICIAN	353	308	301	296	318	289	1,865
BAKER	**40**	**33**	**47**	**46**	**63**	**40**	**269**
BOILERMAKER	20	16	20	16	19	26	117
BRICKLAYER	**13**	**16**	**10**	**6**	**12**	**9**	**66**
CABINETMAKER	44	49	41	36	35	36	241
CARPENTER	**236**	**212**	**195**	**167**	**191**	**163**	**1,164**
COMMUNICATION ELECTRICIAN	3	13	3	8	5	28	60
CONCRETE FINISHER	**0**	**19**	**19**	**8**	**6**	**7**	**59**
COOK	174	158	151	192	183	135	993
CRANE AND HOISTING EQUIPMENT OPERATOR - *Total*	**70**	**79**	**108**	**109**	**121**	**97**	**584**
Mobile Crane	23	*15*	*26*	32	27	*28*	*151*
Tower Crane	***0***	***0***	***0***	***0***	***0***	***1***	***1***
Boom Truck	47	*64*	*82*	77	94	68	432
Wellhead Boom Truck	***N/A***	***N/A***	***N/A***	***N/A***	***N/A***	***0***	***0***
ELECTRICAL MOTOR SYSTEMS TECHNICIAN	4	11	6	7	3	11	42
ELECTRICIAN	**451**	**417**	**413**	**387**	**403**	**369**	**2,440**
ELECTRONIC TECHNICIAN	20	13	18	17	12	2	82
ELEVATOR CONSTRUCTOR	**0**	**1**	**0**	**2**	**3**	**4**	**10**
FLOORCOVERING INSTALLER	14	19	15	7	12	1	68
GASFITTER - *Total*	**302**	**294**	**307**	**265**	**250**	**217**	**1,635**
First Class	35	47	*52*	*46*	*31*	*39*	*250*
Second Class	***267***	***247***	***255***	***219***	***219***	***178***	***1,385***
GLAZIER	13	16	13	8	7	9	66
HAIRSTYLIST	**665**	**557**	**557**	**487**	**474**	**428**	**3,168**
HEAVY EQUIPMENT TECHNICIAN - ***Total*** (Note 1)	292	277	293	353	404	764	2,383
Heavy Equipment Technician	***292***	***277***	***293***	***353***	***404***	***365***	***1,984***
Heavy Duty Equipment Mechanic (Off Road)	*N/A*	*N/A*	*N/A*	*N/A*	*N/A*	*133*	*133*
Truck-Trailer	***N/A***	***N/A***	***N/A***	***N/A***	***N/A***	***133***	***133***
Truck and Transport Mechanic	*N/A*	*N/A*	*N/A*	*N/A*	*N/A*	*133*	*133*
INSTRUMENT MECHANIC	**165**	**114**	**112**	**108**	**91**	**106**	**696**
INSULATOR	22	18	35	30	31	16	152
IRONWORKER - *Total*	**14**	**18**	**21**	**21**	**36**	**27**	**137**
Ironworker	*14*	*12*	*10*	6	*15*	*11*	68
Metal Building Systems Erector	***N/A***	***6***	***11***	***15***	***21***	***16***	***69***
LANDSCAPE GARDENER	41	34	33	44	33	24	209
LATHER/INTERIOR SYSTEMS MECHANIC	**11**	**6**	**5**	**3**	**7**	**0**	**32**
LOCKSMITH	N/A	15	11	2	9	5	42
MACHINIST	**55**	**75**	**58**	**110**	**132**	**112**	**542**
MILLWRIGHT	145	160	127	172	195	153	952
MOTORCYCLE MECHANIC	**14**	**18**	**11**	**20**	**17**	**12**	**92**
PAINTER AND DECORATOR	7	26	26	20	12	19	110
PARTSMAN	**83**	**81**	**90**	**101**	**101**	**93**	**549**
PLUMBER	170	180	162	145	127	110	894
POWER LINEMAN	**68**	**27**	**12**	**16**	**29**	**19**	**171**
POWER SYSTEM ELECTRICIAN	14	10	4	5	11	12	56
PRINTING AND GRAPHIC ARTS CRAFTSMAN	**23**	**13**	**14**	**11**	**3**	**1**	**65**
RECREATION VEHICLE SERVICE TECHNICIAN	21	2	12	7	14	13	69
REFRIGERATION AND AIR CONDITIONING MECHANIC	**63**	**39**	**57**	**54**	**52**	**53**	**318**
ROOFER	8	13	11	13	9	9	63
SAWFILER	**4**	**7**	**13**	**11**	**8**	**8**	**51**
SHEET METAL WORKER	51	43	43	35	62	61	295
SPRINKLER SYSTEMS INSTALLER	**9**	**12**	**11**	**11**	**21**	**10**	**74**
STEAMFITTER–PIPEFITTER	102	75	118	81	101	74	551
STRUCTURAL STEEL AND PLATE FITTER	**11**	**12**	**12**	**23**	**27**	**18**	**103**
TILESETTER	1	7	1	1	1	0	11
TRANSPORT REFRIGERATION MECHANIC	**7**	**1**	**4**	**5**	**4**	**8**	**29**
WATER WELL DRILLER	5	7	8	10	9	4	43
WELDER	**376**	**382**	**547**	**629**	**647**	**838**	**3,419**
TOTAL	**4,332**	**4,030**	**4,207**	**4,200**	**4,424**	**4,536**	**25,729** (Note 1)

Source: Apprenticeship and Industry Training, Alberta Learning
N/A = Not Applicable. (The trade did not exist at that time.)
Note 1: Branches of the heavy equipment technician trade were approved during the past year. Those who graduated from the trade after the branches were approved, graduated from the branches as well as the umbrella trade, i.e., 133 apprentices were issued certificates in all four branches of the trade.
Note 2: In addition, 865 Qualification Certificates have been issued bringing the total number of Alberta trade certificates issued since 1995 to 26,594.

TABLE 5 CONTINUED...

TRADE/OCCUPATION	JOURNEYMAN AND OCCUPATIONAL CERTIFICATES ISSUED TO COMPLETING APPRENTICES AND TRAINEES (Note 1)	EQUIVALENCY DOCUMENTS (Note 2)	RED SEAL ISSUED TO COMPLETING APPRENTICES	EXTENDED RED SEAL PROGRAM (Note 3)	QUALIFICATION CERTIFICATES (Note 4)
MILLWRIGHT	**153**	**3**	**143**	**11**	**9**
MOTORCYCLE MECHANIC	**12**	**1**	**13**	**5**	**3**
PAINTER AND DECORATOR	**19**	**1**	**19**	**2**	**2**
PARTSMAN	**93**	**0**	**98**	**3**	**5**
PLUMBER	**110**	**11**	**99**	**8**	**2**
POWER LINEMAN	**19**	**2**	**23**	**30**	**7**
POWER SYSTEM ELECTRICIAN	12	2	N/A	**N/A**	2
PRINTING AND GRAPHIC ARTS - ***Total***	1	0	N/A	N/A	0
Pre Press	0	**0**	N/A	**N/A**	0
Press	1	0	N/A	N/A	0
RECREATION VEHICLE SERVICE TECHNICIAN	**13**	**0**	**5**	**4**	**0**
REFRIGERATION AND AIR CONDITIONING MECHANIC	**53**	**0**	**45**	**1**	**1**
ROOFER	**9**	**1**	**9**	**2**	**3**
SAWFILER	7	0	N/A	N/A	0
CIRCULAR SAWFILER	1	**0**	0	**0**	0
SHEET METAL WORKER	**61**	**0**	**48**	**0**	**0**
SPRINKLER SYSTEMS INSTALLER	**10**	**0**	7	**0**	**0**
STEAMFITTER-PIPEFITTER	**74**	**8**	**71**	**11**	**3**
STRUCTURAL STEEL AND PLATE FITTER	**18**	**2**	**16**	**2**	**1**
TILESETTER	**0**	0	N/A	N/A	**0**
TOOL AND DIE MAKER	**0**	**0**	**0**	**0**	**0**
TRANSPORT REFRIGERATION MECHANIC	**8**	0	N/A	N/A	**0**
WATER WELL DRILLER	4	**0**	N/A	**N/A**	0
WELDER	**838**	**16**	**829**	**57**	**50**
TOTAL JOURNEYMAN CERTIFICATES	**4,536** (Notes 1 and 5)	**177**	**3,333**	**503**	**385**
CONSTRUCTION CRAFT LABOURER	**257**	**N/A**	**N/A**	**N/A**	**N/A**
GAS UTILITY OPERATOR	10	**N/A**	N/A	**N/A**	N/A
PLASTERER	**0**	**N/A**	**N/A**	**N/A**	**N/A**
WAREHOUSING	150	**N/A**	N/A	**N/A**	N/A
TOTAL OCCUPATIONAL CERTIFICATES	**417**	**N/A**	**N/A**	**N/A**	**N/A**
TOTALS - ALL CERTIFICATES	**4,953**	**177** (Note 2)	**3,333**	**503** (Note 3)	**385** (Note 4)

Source: Apprenticeship and Industry Training, Alberta Learning

Bolding means a trade which is recognized under the Interprovincial (Red Seal) Program.

N/A = Not Applicable

Note 1: 4,509 apprentices completed all their technical training requirements in 2000 and were therefore classified as "Apprenticeship Graduates" in Table 2. However, journeyman certificates processed and issued to completing apprentices in 2000 totalled 4,536 since some of the certificates issued were to apprentices who had completed all their work experience and technical training requirements in the previous year.

Note 2: 177 Equivalency Documents were issued in 2000. Alberta Equivalency Documents are issued to recognize a certificate or document as being equivalent to a trade certificate granted under the Apprenticeship and Industry Training Act when the skills and knowledge on which that certificate or document is based have been deemed to be equivalent to those of an Alberta certified journeyman in that trade (i.e. individuals having completed an apprenticeship program in another country).

Note 3: 503 'Extended' Interprovincial Red Seals were issued in 2000 to individuals who achieved journeyman status through certification only (i.e. without completion of an apprenticeship) or to individuals who had passed the interprovincial examination in Alberta rather than in their own province.

Note 4: The Qualification Certificate Program provides an assessment of prior work experience, knowledge and skills.

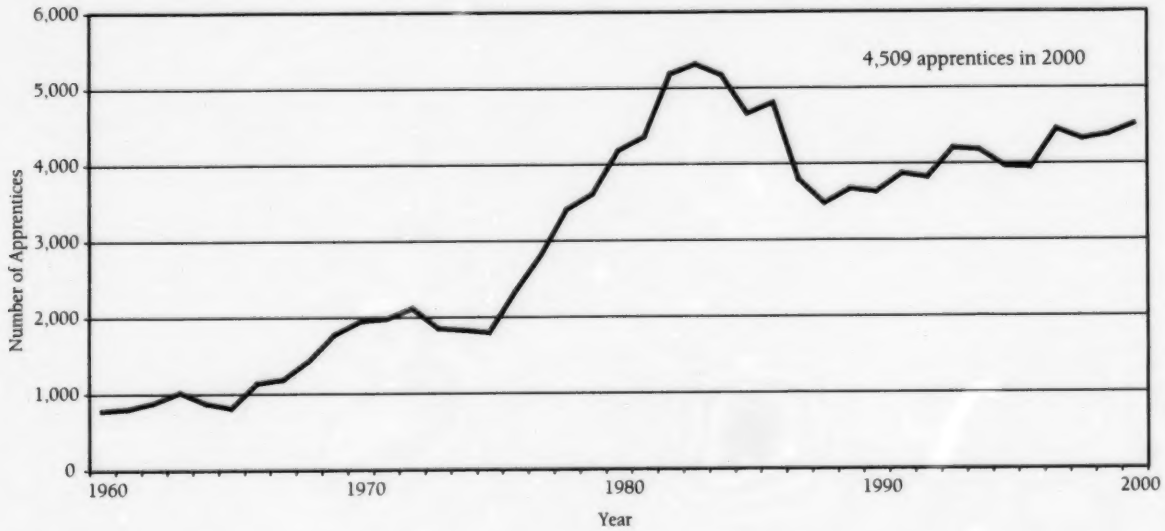
Note 5: Branches of the heavy equipment technician (HET) trade were approved during the past year. Those who graduated from the trade after the branches were approved, graduated from the branches as well as the umbrella trade, i.e., 133 apprentices were issued certificates in all four branches of the trade. Without the additional 399 HET certificates issued, the total journeyman certificates would be 4,137.

TABLE 6 - Alberta Trade Certificates Issued to Completing Apprentices by Trade, 1995 to 2000

	1995	1996	1997	1998	1999	2000	Totals 1995–00
AGRICULTURAL MECHANIC	20	30	40	24	36	28	178
APPLIANCE SERVICEMAN	17	18	21	12	2	5	75
AUTO BODY TECHNICIAN - ***Total***	91	79	71	59	76	63	439
Collision and Refinishing	91	79	71	59	76	42	418
Refinishing	*N/A*	*N/A*	*N/A*	*N/A*	*N/A*	*8*	*8*
Collision	***N/A***	***N/A***	***N/A***	***N/A***	***N/A***	*13*	*13*
AUTOMOTIVE SERVICE TECHNICIAN	353	308	301	296	318	289	1,865
BAKER	40	33	47	46	63	40	269
BOILERMAKER	20	16	20	16	19	26	117
BRICKLAYER	13	16	10	6	12	9	66
CABINETMAKER	44	49	41	36	35	36	241
CARPENTER	236	212	195	167	191	163	1,164
COMMUNICATION ELECTRICIAN	3	13	3	8	5	28	60
CONCRETE FINISHER	0	19	19	8	6	7	59
COOK	174	158	151	192	183	135	993
CRANE AND HOISTING EQUIPMENT OPERATOR - *Total*	70	79	108	109	121	97	584
Mobile Crane	*23*	*15*	*26*	*32*	*27*	*28*	*151*
Tower Crane	***0***	***0***	***0***	***0***	***0***	***1***	***1***
Boom Truck	*47*	*64*	*82*	*77*	*94*	*68*	*432*
Wellhead Boom Truck	***N/A***	***N/A***	***N/A***	***N/A***	***N/A***	***0***	***0***
ELECTRICAL MOTOR SYSTEMS TECHNICIAN	4	11	6	7	3	11	42
ELECTRICIAN	451	417	413	387	403	369	2,440
ELECTRONIC TECHNICIAN	20	13	18	17	12	2	82
ELEVATOR CONSTRUCTOR	0	1	0	2	3	4	10
FLOORCOVERING INSTALLER	14	19	15	7	12	1	68
GASFITTER - *Total*	302	294	307	265	250	217	1,635
First Class	*35*	*47*	*52*	*46*	*31*	*39*	*250*
Second Class	*267*	*247*	*255*	*219*	*219*	*178*	*1,385*
GLAZIER	13	16	13	8	7	9	66
HAIRSTYLIST	665	557	557	487	474	428	3,168
HEAVY EQUIPMENT TECHNICIAN - ***Total*** (Note 1)	292	277	293	353	404	764	2,383
Heavy Equipment Technician	*292*	*277*	*293*	*353*	*404*	*365*	*1,984*
Heavy Duty Equipment Mechanic (Off Road)	*N/A*	*N/A*	*N/A*	*N/A*	*N/A*	*133*	*133*
Truck-Trailer	***N/A***	***N/A***	***N/A***	***N/A***	***N/A***	*133*	*133*
Truck and Transport Mechanic	*N/A*	*N/A*	*N/A*	*N/A*	*N/A*	*133*	*133*
INSTRUMENT MECHANIC	165	114	112	108	91	106	696
INSULATOR	22	18	35	30	31	16	152
IRONWORKER - *Total*	14	18	21	21	36	27	137
Ironworker	*14*	*12*	*10*	*6*	*15*	*11*	*68*
Metal Building Systems Erector	***N/A***	*6*	*11*	*15*	*21*	*16*	*69*
LANDSCAPE GARDENER	41	34	33	44	33	24	209
LATHER/INTERIOR SYSTEMS MECHANIC	11	6	5	3	7	0	32
LOCKSMITH	N/A	15	11	2	9	5	42
MACHINIST	55	75	58	110	132	112	542
MILLWRIGHT	145	160	127	172	195	153	952
MOTORCYCLE MECHANIC	14	18	11	20	17	12	92
PAINTER AND DECORATOR	7	26	26	20	12	19	110
PARTSMAN	83	81	90	101	101	93	549
PLUMBER	170	180	162	145	127	110	894
POWER LINEMAN	68	27	12	16	29	19	171
POWER SYSTEM ELECTRICIAN	14	10	4	5	11	12	56
PRINTING AND GRAPHIC ARTS CRAFTSMAN	23	13	14	11	3	1	65
RECREATION VEHICLE SERVICE TECHNICIAN	21	2	12	7	14	13	69
REFRIGERATION AND AIR CONDITIONING MECHANIC	63	39	57	54	52	53	318
ROOFER	8	13	11	13	9	9	63
SAWFILER	4	7	13	11	8	8	51
SHEET METAL WORKER	51	43	43	35	62	61	295
SPRINKLER SYSTEMS INSTALLER	9	12	11	11	21	10	74
STEAMFITTER–PIPEFITTER	102	75	118	81	101	74	551
STRUCTURAL STEEL AND PLATE FITTER	11	12	12	23	27	18	103
TILESETTER	1	7	1	1	1	0	11
TRANSPORT REFRIGERATION MECHANIC	7	1	4	5	4	8	29
WATER WELL DRILLER	5	7	8	10	9	4	43
WELDER	376	382	547	629	647	838	3,419
TOTAL	**4,332**	**4,030**	**4,207**	**4,200**	**4,424**	**4,536**	**25,729** (Note 1)

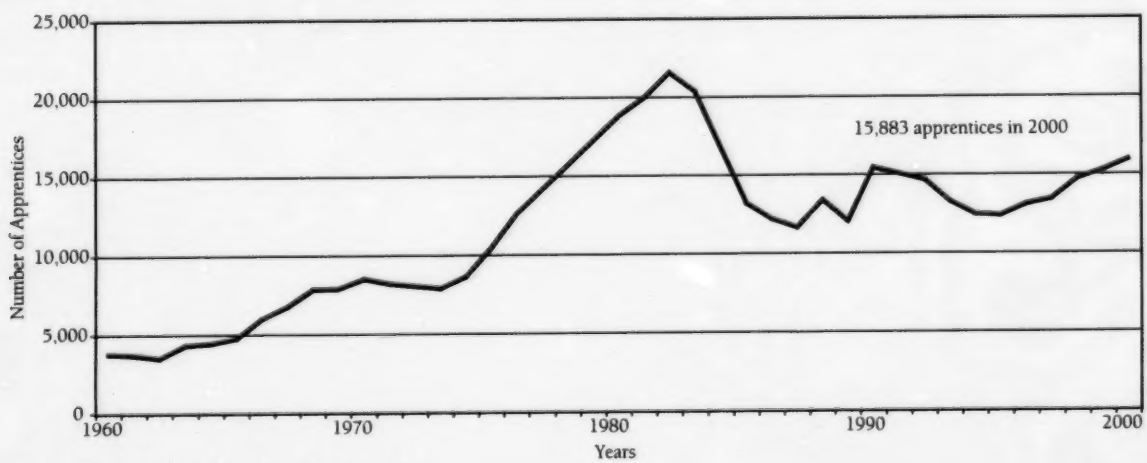
Source: Apprenticeship and Industry Training, Alberta Learning
N/A = Not Applicable. (The trade did not exist at that time.)
Note 1: Branches of the heavy equipment technician trade were approved during the past year. Those who graduated from the trade after the branches were approved, graduated from the branches as well as the umbrella trade, i.e., 133 apprentices were issued certificates in all four branches of the trade.
Note 2: In addition, 865 Qualification Certificates have been issued bringing the total number of Alberta trade certificates issued since 1995 to 26,594.

CHART 3 Alberta Apprenticeship Graduates, 1960 to 2000*



Source: Alberta Learning
*This graph represent statistics covering calendar years (January to December).
Note 1: 4,509 apprentices graduated in 2000 and were therefore classified as "Apprenticeship Graduates". However, journeyman certificates processed and issued to completing apprentices in 2000 totalled 4,536. The 27 additional certificates issued were to apprentices who had graduated in 1999 and were issued certificates in 2000. (See Table 5)

CHART 4 Alberta Apprenticeship Technical Training Attendance, 1960 to 2000*



Source: Apprenticeship and Industry Training, Alberta Learning.
*This graph represent statistics covering calendar years (January to December).

TABLE 7 - Apprenticeship Technical Training Attendance by Trade and Period (or Year) of Training, 2000*

TRADE	1st Year	2nd Year	3rd Year	4th Year	TOTAL ATTENDANCE
AGRICULTURAL MECHANIC	30	25			55
APPLIANCE SERVICEMAN	10	9	0		19
AUTOBODY TECHNICIAN	67	60	57	5	189
AUTOMOTIVE SERVICE TECHNICIAN	298	318	298	247	1,161
BAKER	36	22	38		96
BOILERMAKER (Note 1)	18	0	0	33	51
BRICKLAYER	65	29	0		94
CABINETMAKER	60	67	38	40	205
CARPENTER	420	304	222	191	1,137
COMMUNICATION ELECTRICIAN	45	25	18	16	104
CONCRETE FINISHER	12	17			29
COOK	136	77	86		299
CRANE AND HOISTING EQUIPMENT OPERATOR	132	N/A	30		162
ELECTRICAL REWIND MECHANIC	11	8	7	11	37
ELECTRICIAN	877	812	690	458	2,837
ELECTRONIC TECHNICIAN	8	0	6	0	14
FLOORCOVERING INSTALLER	12	0			12
GASFITTER	24	N/A	38		62
GLAZIER	33	0	17	11	61
HAIRSTYLIST	74	78			152
HEAVY EQUIPMENT TECHNICIAN	365	428	371	322	1,486
INSTRUMENT MECHANIC	117	76	74	64	331
INSULATOR	34	30	20		84
IRONWORKER	71	36	24		131
IRONWORKER - Metal Building Systems Erector	18				18
LANDSCAPE GARDENER	50	32	26	21	129
LATHER-INTERIOR SYSTEMS MECHANIC	12	12	5		29
LOCKSMITH	8	7	4	4	23
MACHINIST	100	130	112	101	443
MILLWRIGHT	197	185	197	178	757
MOTORCYCLE MECHANIC	9	13	12	13	47
PAINTER AND DECORATOR	27	27	22		76
PARTSMAN	117	145	108		370
PLUMBER	317	310	167	125	919
POWER LINEMAN	14	24	25		63
POWER SYSTEM ELECTRICIAN (Note 2)	3	6	11	12	32
PRINTING AND GRAPHIC ARTS CRAFTSMAN	0	0	0	0	0
RECREATION VEHICLE SERVICE TECHNICIAN	28	29	14		71
REFRIGERATION AND AIR CONDITIONING MECHANIC	44	56	65	50	215
ROOFER	23	21	11		55
SAWFILER	7	2	5	8	22
SHEET METAL WORKER	138	81	73	52	344
SPRINKLER SYSTEMS INSTALLER	62	16	13		91
STEAMFITTER–PIPEFITTER	205	132	137	92	566
STRUCTURAL STEEL AND PLATE FITTER	16	22	18		56
TILESETTER	18	1	1		20
TRANSPORT REFRIGERATION MECHANIC	19	13	0		32
WATER WELL DRILLER	9	8	0		17
WELDER	896	951	833		2,680
TOTAL	5,292	4,644	3,893	2,054	15,883

Source: Apprenticeship and Industry Training, Alberta Learning

* These statistics cover the calendar year from January 1 to December 31, 2000. Since a school year is from August 1 to July 31 the following year, the calendar year statistic may vary from the school year statistic.

Blank cells = completion of the program at the end of the previous period (year) of training.
N/A = no technical training is required in the period (year) indicated according to the approved curriculum for that trade.
Zeros = no classes were offered during the reporting period (year).

Note 1: As of 1995/96, the number of technical training levels in the Boilermaker trade increased from three to four by including an Entry Level of technical training in the first period (year) of the program.

Note 2: Apprentices in this trade take their 1st and 2nd periods (years) of technical training together with apprentices from the Electrical trade.

TABLE 7 - Apprenticeship Technical Training Attendance by Trade and Period (or Year) of Training, 2000*

TRADE	1st Year	2nd Year	3rd Year	4th Year	TOTAL ATTENDANCE
AGRICULTURAL MECHANIC	30	25			55
APPLIANCE SERVICEMAN	10	9	0		19
AUTOBODY TECHNICIAN	67	60	57	5	189
AUTOMOTIVE SERVICE TECHNICIAN	298	318	298	247	1,161
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ELECTRICAL REWIND MECHANIC	11	8	7	11	37
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ELECTRONIC TECHNICIAN	8	0	6	0	14
FLOORCOVERING INSTALLER	12	0			12
GASFITTER	24	N/A	38		62
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PARTSMAN	117	145	108		370
PLUMBER	317	310	167	125	919
POWER LINEMAN	14	24	25		63
POWER SYSTEM ELECTRICIAN (Note 2)	3	6	11	12	32
PRINTING AND GRAPHIC ARTS CRAFTSMAN	0	0	0	0	0
RECREATION VEHICLE SERVICE TECHNICIAN	28	29	14		71
REFRIGERATION AND AIR CONDITIONING MECHANIC	44	56	65	50	215
ROOFER	23	21	11		55
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STRUCTURAL STEEL AND PLATE FITTER	16	22	18		56
TILESETTER	18	1	1		20
TRANSPORT REFRIGERATION MECHANIC	19	13	0		32
WATER WELL DRILLER	9	8	0		17
WELDER	896	951	833		2,680
TOTAL	**5,292**	**4,644**	**3,893**	**2,054**	**15,883**

Source: Apprenticeship and Industry Training, Alberta Learning

* These statistics cover the calendar year from January 1 to December 31, 2000. Since a school year is from August 1 to July 31 the following year, the calendar year statistic may vary from the school year statistic.

Blank cells = completion of the program at the end of the previous period (year) of training
N/A = no technical training is required in the period (year) indicated according to the approved curriculum for that trade
Zeros = no classes were offered during the reporting period (year)

Note 1: As of 1995/96, the number of technical training levels in the Boilermaker trade increased from three to four by including an Entry Level of technical training in the first period (year) of the program.

Note 2: Apprentices in this trade take their 1st and 2nd periods (years) of technical training together with apprentices from the Electrical trade.

TABLE 8 Technical Training Attendance by Institution and Period (or Year) of Training, 2000*

	1st Year	2nd Year	3rd Year	4th Year	Total
Delmar (Note 1)	**44**	**48**	**N/A**	**N/A**	**92**
Fairview College	212	197	149	95	653
Grande Cache Institution	**1**	**0**	**0**	**0**	**1**
Keyano College	139	99	96	58	392
Lakeland College	**163**	**159**	**149**	**84**	**555**
Lethbridge Community College	149	186	153	77	565
Marvel (Note 1)	**30**	**30**	**N/A**	**N/A**	**60**
Medicine Hat	117	70	74	24	285
Northern Alberta Institute of Technology	**2,435**	**2,041**	**1,786**	**900**	**7,162**
Olds College	80	57	45	36	218
Petroleum Industry Training Service (Note 2)	**29**	**N/A**	**N/A**	**N/A**	**29**
Red Deer College	419	390	346	165	1,320
Southern Alberta Institute of Technology	**1,467**	**1,364**	**1,089**	**607**	**4,527**
Tilesetter Joint Conference Board, B.C. (Note 3)	0	1	1	N/A	2
British Columbia Institute of Technology (Note 4)	**7**	**2**	**5**	**8**	**22**
TOTALS	***5,292***	***4,644***	***3,893***	***2,054***	***15,883***

Source: Apprenticeship and Industry Training, Alberta Learning
*These statistics cover the calendar year from January 1 to December 31, 2000. Since a school year is from August 1 to July 31 the following year, the calendar year statistic may vary from the school year statistic.
Note 1: The Delmar and Marvel schools train Hairstylists. The Hairstylist trade has a two-year apprenticeship program.
Note 2: Petroleum Industry Training Service trains only Crane and Hoisting Equipment Operator — Wellhead Boom Truck, which is a one-year apprenticeship program.
Note 3: Tilesetter Joint Conference Board trains only Tilesetters, which is a three-year apprenticeship program. Alberta Tilesetter apprentices are provided the option of attending technical training in B.C. when there are not sufficient numbers to offer a class in Alberta.
Note 4: British Columbia Institute of Technology provides Sawfiler training.

TABLE 9 Apprenticeship Registrations, Graduations and Technical Training Attendance by Apprenticeship and Industry Training Office Location, 2000

	Total Registrations	New Apprentices	Apprentice Graduates	Tech. Training Attendance
Calgary	**5,600**	**1,918**	**788**	**2,854**
Calgary South	3,343	1,340	385	1,487
Lethbridge	**1,397**	**434**	**169**	**662**
Medicine Hat	1,043	411	156	572
Red Deer	**2,810**	**1,074**	**485**	**1,384**
SOUTH REGION TOTAL	**14,193**	**5,177**	**1,983**	**6,959**
Bonnyville	**740**	**266**	**108**	**352**
Edmonton	11,917	4,139	1,560	5,721
Fort McMurray	**1,707**	**704**	**233**	**683**
Grande Prairie	1,185	473	207	607
Hinton	**671**	**249**	**107**	**341**
Peace River	672	247	93	329
Slave Lake	**466**	**147**	**51**	**193**
Vermilion	725	306	142	419
NORTH REGION TOTAL	**18,083**	**6,531**	**2,501**	**8,645**
ACCESS INITIATIVES	63	8	15	39
CENTRAL OFFICE (Note 1)	**361**	**149**	**59**	**218**
INTERPROVINCIAL/INTERNATIONAL APPRENTICES (Note 2)	33	8	9	22
OTHER REGION TOTALS	**457**	**165**	**83**	**279**
TOTALS	***32,733***	***11,873***	***4,567***	***15,883***

Source: Apprenticeship and Industry Training, Alberta Learning
Note 1: Alberta provides training for apprentices from other provinces and the territories where the trade is designated but they are unable to provide technical training due to small apprentice registration numbers. Alberta does not issue those persons a certificate. These individuals are not counted in Table 2, Apprenticeship Graduations.
Note 2: Alberta registers apprentices and provides technical training to persons from jurisdictions where no program exists. Alberta issues a certificate upon completion of the program.

TABLE 10 **Industry Advisory Network Meetings by Trade, 2000**

TRADE/OCCUPATION	Provincial Apprenticeship Committees/Occupational Committees	Provincial Apprenticeship Sub-Committees (Note 1)	Totals Provincial Apprenticeship Committees	Trade Local Apprenticeship Committees	Total All Committees
AGRICULTURAL MECHANIC	0	5	5	N/A	5
APPLIANCE SERVICE TECHNICIAN	1	9	10	0	10
AUTO BODY TECHNICIAN	1	3	4	3	7
AUTOMOTIVE SERVICE TECHNICIAN	2	6	8	10	18
BAKER	1	3	4	0	4
BOILERMAKER	1	4	5	N/A	5
BRICKLAYER	0	3	3	1	4
CABINETMAKER	1	6	7	3	10
CARPENTER	1	2	3	6	9
COMMUNICATION ELECTRICIAN	1	5	6	0	6
CONCRETE FINISHER	1	0	1	N/A	1
COOK	1	2	3	2	5
CRANE AND HOISTING EQUIPMENT OPERATOR	3	14	17	0	17
ELECTRICAL MOTOR SYSTEMS TECHNICIAN	2	1	3	2	5
ELECTRICIAN	1	7	8	6	14
ELECTRONIC TECHNICIAN	0	4	4	0	4
ELEVATOR CONSTRUCTOR	0	0	0	N/A	0
FLOORCOVERING INSTALLER	0	0	0	N/A	0
GASFITTER	0	3	3	0	3
GLAZIER	0	0	0	0	0
HAIRSTYLIST	0	4	4	6	10
HEAVY EQUIPMENT TECHNICIAN	5	5	10	6	16
INSTRUMENT TECHNICIAN	1	0	1	0	1
INSULATOR	0	1	1	N/A	1
IRONWORKER	0	5	5	0	5
LANDSCAPE GARDENER	1	1	2	0	2
LATHER-INTERIOR SYSTEMS MECHANIC	0	0	0	N/A	0
LOCKSMITH	0	0	0	1	1
MACHINIST	1	0	1	1	2
MILLWRIGHT	1	0	1	3	4
MOTORCYCLE MECHANIC	0	1	1	0	1
PAINTER AND DECORATOR	1	1	2	1	3
PARTSMAN	1	0	1	1	2
PLUMBER	1	4	5	2	7
POWER LINEMAN	0	1	1	0	1
POWER SYSTEM ELECTRICIAN	1	6	7	N/A	7
PRINTING AND GRAPHIC ARTS CRAFTSMAN	1	0	1	N/A	1
RECREATION VEHICLE SERVICE TECHNICIAN	2	4	6	4	10
REFRIGERATION AND AIR CONDITIONING MECHANIC	0	6	6	3	9
ROOFER	2	1	3	0	3
SAWFILER	1	0	1	N/A	1
SHEET METAL WORKER	0	7	7	1	8
SPRINKLER SYSTEMS INSTALLER	1	5	6	1	7
STEAMFITTER–PIPEFITTER	1	7	8	1	9
STRUCTURAL STEEL AND PLATE FITTER	0	4	4	N/A	4
TILESETTER	0	5	5	1	6
TOOL AND DIE MAKER	0	0	0	0	0
TRANSPORT REFRIGERATION MECHANIC	0	1	1	N/A	1
WATER WELL DRILLER	0	1	1	N/A	1
WELDER	1	7	8	7	15
TOTAL ALL TRADES	**39**	**142**	**181**	**72**	**253**

TABLE 8 Technical Training Attendance by Institution and Period (or Year) of Training, 2000*

	1st Year	2nd Year	3rd Year	4th Year	Total
Delmar (Note 1)	44	48	N/A	N/A	92
Fairview College	212	197	149	95	653
Grande Cache Institution	1	0	0	0	1
Keyano College	139	99	96	58	392
Lakeland College	163	159	149	84	555
Lethbridge Community College	149	186	153	77	565
Marvel (Note 1)	30	30	N/A	N/A	60
Medicine Hat	117	70	74	24	285
Northern Alberta Institute of Technology	2,435	2,041	1,786	900	7,162
Olds College	80	57	45	36	218
Petroleum Industry Training Service (Note 2)	29	N/A	N/A	N/A	29
Red Deer College	419	390	346	165	1,320
Southern Alberta Institute of Technology	1,467	1,364	1,089	607	4,527
Tilesetter Joint Conference Board, B.C. (Note 3)	0	1	1	N/A	2
British Columbia Institute of Technology (Note 4)	7	2	5	8	22
TOTALS	*5,292*	*4,644*	*3,893*	*2,054*	*15,883*

Source: Apprenticeship and Industry Training, Alberta Learning
*These statistics cover the calendar year from January 1 to December 31, 2000. Since a school year is from August 1 to July 31 the following year, the calendar year statistic may vary from the school year statistic.
Note 1: The Delmar and Marvel schools train Hairstylists. The Hairstylist trade has a two-year apprenticeship program.
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Note 3: Tilesetter Joint Conference Board trains only Tilesetters, which is a three-year apprenticeship program. Alberta Tilesetter apprentices are provided the option of attending technical training in B.C. when there are not sufficient numbers to offer a class in Alberta.
Note 4: British Columbia Institute of Technology provides Sawfiler training.

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SOUTH REGION TOTAL	**14,193**	**5,177**	**1,983**	**6,959**
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Slave Lake	466	147	51	193
Vermilion	725	306	142	419
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Source: Apprenticeship and Industry Training, Alberta Learning
Note 1: Alberta provides training for apprentices from other provinces and the territories where the trade is designated but they are unable to provide technical training due to small apprentice registration numbers. Alberta does not issue those persons a certificate. These individuals are not counted in Table 2, Apprenticeship Graduations.
Note 2: Alberta registers apprentices and provides technical training to persons from jurisdictions where no program exists. Alberta issues a certificate upon completion of the program.

TABLE 10 Industry Advisory Network Meetings by Trade, 2000

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AGRICULTURAL MECHANIC	0	5	5	N/A	5
APPLIANCE SERVICE TECHNICIAN	1	9	10	0	10
AUTO BODY TECHNICIAN	1	3	4	3	7
AUTOMOTIVE SERVICE TECHNICIAN	2	6	8	10	18
BAKER	1	3	4	0	4
BOILERMAKER	1	4	5	N/A	5
BRICKLAYER	0	3	3	1	4
CABINETMAKER	1	6	7	3	10
CARPENTER	1	2	3	6	9
COMMUNICATION ELECTRICIAN	1	5	6	0	6
CONCRETE FINISHER	1	0	1	N/A	1
COOK	1	2	3	2	5
CRANE AND HOISTING EQUIPMENT OPERATOR	3	14	17	0	17
ELECTRICAL MOTOR SYSTEMS TECHNICIAN	2	1	3	2	5
ELECTRICIAN	1	7	8	6	14
ELECTRONIC TECHNICIAN	0	4	4	0	4
ELEVATOR CONSTRUCTOR	0	0	0	N/A	0
FLOORCOVERING INSTALLER	0	0	0	N/A	0
GASFITTER	0	3	3	0	3
GLAZIER	0	0	0	0	0
HAIRSTYLIST	0	4	4	6	10
HEAVY EQUIPMENT TECHNICIAN	5	5	10	6	16
INSTRUMENT TECHNICIAN	1	0	1	0	1
INSULATOR	0	1	1	N/A	1
IRONWORKER	0	5	5	0	5
LANDSCAPE GARDENER	1	1	2	0	2
LATHER-INTERIOR SYSTEMS MECHANIC	0	0	0	N/A	0
LOCKSMITH	0	0	0	1	1
MACHINIST	1	0	1	1	2
MILLWRIGHT	1	0	1	3	4
MOTORCYCLE MECHANIC	0	1	1	0	1
PAINTER AND DECORATOR	1	1	2	1	3
PARTSMAN	1	0	1	1	2
PLUMBER	1	4	5	2	7
POWER LINEMAN	0	1	1	0	1
POWER SYSTEM ELECTRICIAN	1	6	7	N/A	7
PRINTING AND GRAPHIC ARTS CRAFTSMAN	1	0	1	N/A	1
RECREATION VEHICLE SERVICE TECHNICIAN	2	4	6	4	10
REFRIGERATION AND AIR CONDITIONING MECHANIC	0	6	6	3	9
ROOFER	2	1	3	0	3
SAWFILER	1	0	1	N/A	1
SHEET METAL WORKER	0	7	7	1	8
SPRINKLER SYSTEMS INSTALLER	1	5	6	1	7
STEAMFITTER–PIPEFITTER	1	7	8	1	9
STRUCTURAL STEEL AND PLATE FITTER	0	4	4	N/A	4
TILESETTER	0	5	5	1	6
TOOL AND DIE MAKER	0	0	0	0	0
TRANSPORT REFRIGERATION MECHANIC	0	1	1	N/A	1
WATER WELL DRILLER	0	1	1	N/A	1
WELDER	1	7	8	7	15
TOTAL ALL TRADES	**39**	**142**	**181**	**72**	**253**

TABLE 10 CONTINUED...

TRADE/OCCUPATION	Provincial Apprenticeship Committees/Occupational Committees	[redacted]	Totals Provincial Apprenticeship Committees	[redacted]	Total All Committees
CONSTRUCTION CRAFT LABOURER OCCUPATION	1	[redacted]	2	[redacted]	2
GAS UTILITY OPERATOR OCCUPATION	2	0	2	N/A	2
PLASTERER OCCUPATION	0	[redacted]	0	[redacted]	0
WAREHOUSING OCCUPATION	2	0	2	N/A	2
		[redacted]		[redacted]	
TOTAL ALL OCCUPATIONS	**5**	**1**	**6**	**N/A**	**6**
		[redacted]		[redacted]	
TOTAL ALL TRADES AND OCCUPATIONS	**44**	**143** (Note 1)	**187**	**72**	**259**

Source: Apprenticeship and Industry Training, Alberta Learning

Note 1: Some of the Provincial Apprenticeship Sub-Committee meetings were joint meetings, therefore, they appear for each trade but are only counted once in the final total.
N/A: Not applicable refers to trades where Local Apprenticeship Committees do not exist. Designated occupations do not have local committees.

TABLE 11 **Participation in the Registered Apprenticeship Program (RAP) by Trade as of December 31, 2000**

TRADE DESCRIPTION	HIGH SCHOOL	FULL TIME	CERTIFIED (Note 1)	TOTAL
AGRICULTURAL MECHANIC	**3**	**9**	**3**	**15**
APPLIANCE SERVICE TECHNICIAN	2	1	0	3
AUTO BODY - *Total*	**1**	**2**	**3**	**6**
Collision and Refinishing	0	0	3	3
Refinishing	**0**	**0**	**0**	**0**
Collision	1	2	0	3
AUTO BODY TECHNICIAN	**20**	**28**	**3**	**51**
AUTOMOTIVE SERVICE TECHNICIAN	86	122	26	234
BAKER	**3**	**2**	**2**	**7**
BOILERMAKER	1	0	0	1
BRICKLAYER	**0**	**2**	**0**	**2**
CABINETMAKER	19	20	0	39
CARPENTER	**65**	**58**	**2**	**125**
COMMUNICATION ELECTRICIAN	4	5	0	9
CONCRETE FINISHER	**4**	**2**	**0**	**6**
COOK	42	36	4	82
CRANE AND HOISTING EQUIPMENT OPERATOR	**9**	**2**	**1**	**12**
ELECTRICAL MOTOR SYSTEMS TECHNICIAN	1	0	0	1
ELECTRICIAN	**81**	**88**	**3**	**172**
ELECTRONIC TECHNICIAN	4	1	0	5
ELEVATOR CONSTRUCTOR	**0**	**0**	**0**	**0**
FLOORCOVERING INSTALLER	1	0	1	2
GASFITTER - *Total*	**1**	**1**	**0**	**2**
First Class	1	1	0	2
Second Class	**0**	**0**	**0**	**0**
GLAZIER	3	4	0	7
HAIRSTYLIST	**67**	**30**	**52**	**149**
HEAVY EQUIPMENT TECHNICIAN	76	103	16	195
INSTRUMENT TECHNICIAN	**20**	**19**	**0**	**39**
INSULATOR	1	0	0	1
IRONWORKER - *Total*	**0**	**1**	**0**	**1**
Ironworker	0	1	0	1
Metal Building Systems Erector	**0**	**0**	**0**	**0**
LANDSCAPE GARDNER	1	1	0	2
LATHER-INTERIOR SYSTEMS MECHANIC	**0**	**1**	**0**	**1**
LOCKSMITH	3	3	0	6
MACHINIST	**15**	**18**	**1**	**34**
MILLWRIGHT	29	29	0	58
MOTORCYCLE MECHANIC	**15**	**3**	**1**	**19**
PAINTER AND DECORATOR	4	3	0	7
PARTSMAN	**19**	**20**	**7**	**46**
PLUMBER	23	28	3	54
POWER LINEMAN	**1**	**2**	**0**	**3**
POWER SYSTEM ELECTRICIAN	4	4	0	8
PRINTING AND GRAPHIC ARTS	**3**	**0**	**0**	**3**
RECREATION VEHICLE SERVICE TECHNICIAN	1	0	2	3
REFRIGERATION AND AIR CONDITIONING MECHANIC	**9**	**5**	**0**	**14**
ROOFER	1	0	0	1
SAWFILER	**1**	**0**	**0**	**1**
SHEET METAL WORKER	4	6	0	10
SPRINKLER SYSTEMS INSTALLER	**2**	**3**	**0**	**5**
STEAMFITTER–PIPEFITTER	5	7	2	14
STRUCTURAL STEEL AND PLATE FITTER	**3**	**1**	**0**	**4**
TILESETTER	1	1	0	2
TRANSPORT REFRIGERATION MECHANIC	**0**	**0**	**0**	**0**
WATER WELL DRILLER	0	0	0	0
WELDER	**102**	**120**	**22**	**244**
TOTAL	**760**	**791**	**154** (Note 1)	**1705**

Source: Apprenticeship and Industry Training, Alberta Learning.
High School = RAP students currently in high school.
Full Time = RAP students who have completed high school and are now full time apprentices.
Certified = RAP students who have completed their apprenticeship program and are now certified journeymen.
Note 1: Total since inception of program.

TABLE 10 CONTINUED...

TRADE/OCCUPATION	Provincial Apprenticeship Committees/Occupational Committees	Provincial Apprenticeship Sub-Committees (Note 1)	Totals Provincial Apprenticeship Committees	Totals Local Apprenticeship Committees	Total All Committees
CONSTRUCTION CRAFT LABOURER OCCUPATION	1	1	2	N/A	2
GAS UTILITY OPERATOR OCCUPATION	2	0	2	N/A	2
PLASTERER OCCUPATION	0	0	0	N/A	0
WAREHOUSING OCCUPATION	2	0	2	N/A	2
TOTAL ALL OCCUPATIONS	**5**	**1**	**6**	**N/A**	**6**
TOTAL ALL TRADES AND OCCUPATIONS	**44**	**143 (Note 1)**	**187**	**72**	**259**

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Note 1: Some of the Provincial Apprenticeship Sub-Committee meetings were joint meetings, therefore, they appear for each trade but are only counted once in the final total
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TABLE 11 Participation in the Registered Apprenticeship Program (RAP) by Trade as of December 31, 2000

TRADE DESCRIPTION	HIGH SCHOOL	FULL TIME	CERTIFIED (Note 1)	TOTAL
AGRICULTURAL MECHANIC	**3**	**9**	**3**	**15**
APPLIANCE SERVICE TECHNICIAN	2	1	0	3
AUTO BODY - *Total*	**1**	**2**	**3**	**6**
Collision and Refinishing	0	0	3	3
Refinishing	**0**	**0**	**0**	**0**
Collision	1	2	0	3
AUTO BODY TECHNICIAN	**20**	**28**	**3**	**51**
AUTOMOTIVE SERVICE TECHNICIAN	86	122	26	234
BAKER	**3**	**2**	**2**	**7**
BOILERMAKER	1	0	0	1
BRICKLAYER	**0**	**2**	**0**	**2**
CABINETMAKER	19	20	0	39
CARPENTER	**65**	**58**	**2**	**125**
COMMUNICATION ELECTRICIAN	4	5	0	9
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ELECTRICIAN	**81**	**88**	**3**	**172**
ELECTRONIC TECHNICIAN	4	1	0	5
ELEVATOR CONSTRUCTOR	**0**	**0**	**0**	**0**
FLOORCOVERING INSTALLER	1	0	1	2
GASFITTER - *Total*	**1**	**1**	**0**	**2**
First Class	1	1	0	2
Second Class	**0**	**0**	**0**	**0**
GLAZIER	3	4	0	7
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INSULATOR	1	0	0	1
IRONWORKER - *Total*	**0**	**1**	**0**	**1**
Ironworker	0	1	0	1
Metal Building Systems Erector	**0**	**0**	**0**	**0**
LANDSCAPE GARDNER	1	1	0	2
LATHER-INTERIOR SYSTEMS MECHANIC	**0**	**1**	**0**	**1**
LOCKSMITH	3	3	0	6
MACHINIST	**15**	**18**	**1**	**34**
MILLWRIGHT	29	29	0	58
MOTORCYCLE MECHANIC	**15**	**3**	**1**	**19**
PAINTER AND DECORATOR	4	3	0	7
PARTSMAN	**19**	**20**	**7**	**46**
PLUMBER	23	28	3	54
POWER LINEMAN	**1**	**2**	**0**	**3**
POWER SYSTEM ELECTRICIAN	4	4	0	8
PRINTING AND GRAPHIC ARTS	**3**	**0**	**0**	**3**
RECREATION VEHICLE SERVICE TECHNICIAN	1	0	2	3
REFRIGERATION AND AIR CONDITIONING MECHANIC	**9**	**5**	**0**	**14**
ROOFER	1	0	0	1
SAWFILER	**1**	**0**	**0**	**1**
SHEET METAL WORKER	4	6	0	10
SPRINKLER SYSTEMS INSTALLER	**2**	**3**	**0**	**5**
STEAMFITTER–PIPEFITTER	5	7	2	14
STRUCTURAL STEEL AND PLATE FITTER	**3**	**1**	**0**	**4**
TILESETTER	1	1	0	2
TRANSPORT REFRIGERATION MECHANIC	**0**	**0**	**0**	**0**
WATER WELL DRILLER	0	0	0	0
WELDER	**102**	**120**	**22**	**244**
TOTAL	**760**	**791**	**154** (Note 1)	**1705**

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